Start	2100	End	2276
GI	none	Score	203
Exons	2100..2264, 2106..2276, 2171..2275		

Seq. No.	48251	Seq. ID	OJ000125_09.0303.C21
Gene No.	102752	Strand	+
Start	2504	End	2596
Name	OJ000125_09.0303.C21.o1.tm	Method	TBLASTX:Maize
Start	1978	End	2182
GI	none	Score	103
Exons	1978..2166, 1982..2167, 1986..2168, 1987..2169, 2003..2182		

Seq. No.	48251	Seq. ID	OJ000125_09.0303.C21
Gene No.	102752	Strand	+
Start	2504	End	2596
Name	OJ000125_09.0303.C21.o1.gp	Method	AAT/GAP
Start	2504	End	2596
GI	none	Score	155
Exons	2504..2596		

Seq. No.	48252	Seq. ID	OJ000125_09.0303.C24
Gene No.	102753	Strand	
Start	444	End	700
Name	OJ000125_09.0303.C24.o1.ts	Method	TBLASTX:Soybean
Start	444	End	700
GI	none	Score	211
Exons	444..689, 483..680, 499..690, 515..700		

Seq. No.	48253	Seq. ID	OJ000125_09.0303.C25
Gene No.	102754	Strand	-
Start	90	End	1007
Name	OJ000125_09.0303.C25.o1.gp	Method	AAT/GAP
Start	90	End	1007
GI	25534_1.R1084	Score	442
Exons	90..146, 410..502, 839..894, 966..1007		
GI Descrip.	'3047124 6.0e-26 (AF058919) No definition line found [Arabidopsis thaliana]'		

Seq. No.	48254	Seq. ID	OJ000125_09.0303.C26
Gene No.	102755	Strand	+
Start	977	End	1334
Name	OJ000125_09.0303.C26.o1.gp	Method	AAT/GAP
Start	977	End	1334
GI	2428668	Score	661
Exons	977..1334		

Seq. No.	48254	Seq. ID	OJ000125_09.0303.C26
Gene No.	102756	Strand	
Start	1355	End	2094
Name	OJ000125_09.0303.C26.o1.tm	Method	TBLASTX:Maize
Start	1355	End	1995
GI	none	Score	269
Exons	1355..1792, 1357..1905, 1835..1900, 1920..1994, 1921..1995		

Seq. No.	48254	Seq. ID	OJ000125_09.0303.C26
Gene No.	102756	Strand	
Start	1355	End	2094

Name	OJ000125_09.0303.C26.o1.tc	Method	TBLASTX:Cress
Start	1357	End	2094
GI	none	Score	50
Exons	1357..1563, 1591..1626, 1681..1830, 1834..1920, 1920..1997, 1921..1995, 2049..2093, 2050..2094		

Seq. No.	48254	Seq. ID	OJ000125_09.0303.C26
Gene No.	102756	Strand	
Start	1355	End	2094
Name	OJ000125_09.0303.C26.o1.ts	Method	TBLASTX:Soybean
Start	1357	End	2094
GI	none	Score	58
Exons	1357..1452, 1459..1659, 1681..1830, 1920..1994, 1924..1989, 1984..2094, 2037..2093		

Seq. No.	48255	Seq. ID	OJ000125_09.0303.C27
Gene No.	102757	Strand	-
Start	360	End	875
Name	OJ000125_09.0303.C27.o1.tm	Method	TBLASTX:Maize
Start	2	End	200
GI	none	Score	275
Exons	2..199, 3..200, 138..200		

Seq. No.	48255	Seq. ID	OJ000125_09.0303.C27
Gene No.	102757	Strand	-
Start	360	End	875
Name	OJ000125_09.0303.C27.o1.tc	Method	TBLASTX:Cress
Start	29	End	598
GI	none	Score	70
Exons	29..175, 36..206, 224..274, 275..331, 440..598		

Seq. No.	48255	Seq. ID	OJ000125_09.0303.C27
Gene No.	102757	Strand	-
Start	360	End	875
Name	OJ000125_09.0303.C27.o1.ts	Method	TBLASTX:Soybean
Start	29	End	598
GI	none	Score	51
Exons	29..97, 33..104, 98..157, 99..155, 224..274, 272..328, 443..598		

Seq. No.	48255	Seq. ID	OJ000125_09.0303.C27
Gene No.	102757	Strand	-
Start	360	End	875
Name	OJ000125_09.0303.C27.o1.tw	Method	TBLASTX:Wheat
Start	32	End	335
GI	none	Score	87
Exons	32..157, 48..158, 275..334, 276..335		

Seq. No.	48255	Seq. ID	OJ000125_09.0303.C27
Gene No.	102757	Strand	-
Start	360	End	875
Name	OJ000125_09.0303.C27.o1.gp	Method	AAT/GAP
Start	360	End	875
GI	uC-osf1M202020d11b1	Score	975
Exons	360..875		
GI Descrip.	'3183979/emb|CAA06412.1| 2.0e-10 (AJ005171) P69C protein [Lycopersicon esculentum]'		

Seq. No.	48256	Seq. ID	OJ000125_09.0303.C29
Gene No.	102758	Strand	+
Start	920	End	1240
Name	OJ000125_09.0303.C29.o1.gp	Method	AAT/GAP
Start	920	End	1240
GI	none	Score	642
Exons	920..1240		

Seq. No.	48257	Seq. ID	OJ000125_09.0303.C30
Gene No.	102759	Strand	-
Start	1	End	703
Name	OJ000125_09.0303.C30.o1.gp	Method	AAT/GAP
Start	1	End	703
GI	62012_1.R1084	Score	780
Exons	1..321, 593..703		
GI Descrip.	'4204912 1.0e-29 (U58918) MEK kinase [Arabidopsis thaliana]'		

Seq. No.	48257	Seq. ID	OJ000125_09.0303.C30
Gene No.	102759	Strand	-
Start	1	End	703
Name	OJ000125_09.0303.C30.o1.tm	Method	TBLASTX:Maize
Start	1	End	323
GI	none	Score	220
Exons	1..288, 3..287, 290..322, 291..323		

Seq. No.	48258	Seq. ID	OJ000125_09.0303.C31
Gene No.	102760	Strand	
Start	9	End	707
Name	OJ000125_09.0303.C31.o1.tm	Method	TBLASTX:Maize
Start	9	End	707
GI	none	Score	123
Exons	9..83, 17..79, 400..483, 401..484, 576..707, 577..705		

Seq. No.	48258	Seq. ID	OJ000125_09.0303.C31
Gene No.	102760	Strand	
Start	9	End	707
Name	OJ000125_09.0303.C31.o1.tc	Method	TBLASTX:Cress
Start	17	End	707
GI	none	Score	55
Exons	17..55, 18..56, 364..483, 400..483, 401..484, 576..707, 577..705		

Seq. No.	48258	Seq. ID	OJ000125_09.0303.C31
Gene No.	102760	Strand	
Start	9	End	707
Name	OJ000125_09.0303.C31.o1.ts	Method	TBLASTX:Soybean
Start	400	End	707
GI	5753494	Score	100
Exons	400..483, 403..483, 407..484, 576..707, 577..699	410..484, 569..685, 573..686,	
GI Descrip.	3688193/emb_CAA08995_ 4.0e-25 (AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]		

Seq. No.	48259	Seq. ID	OJ000125_09.0303.C35
Gene No.	102761	Strand	
Start	14	End	462
Name	OJ000125_09.0303.C35.o2.ts	Method	TBLASTX:Soybean
Start	14	End	369

GI	none	Score	74
Exons	14..85, 150..203, 166..210, 259..369, 282..311		

Seq. No.	48259	Seq. ID	OJ000125_09.0303.C35
Gene No.	102761	Strand	
Start	14	End	462
Name	OJ000125_09.0303.C35.o2.tm	Method	TBLASTX:Maize
Start	161	End	402
GI	none	Score	54
Exons	161..202, 161..202, 165..254, 166..228, 252..368, 253..402, 289..402		

Seq. No.	48259	Seq. ID	OJ000125_09.0303.C35
Gene No.	102761	Strand	
Start	14	End	462
Name	OJ000125_09.0303.C35.o2.tc	Method	TBLASTX:Cress
Start	166	End	462
GI	none	Score	54
Exons	166..210, 262..462, 282..461		

Seq. No.	48259	Seq. ID	OJ000125_09.0303.C35
Gene No.	102762	Strand	
Start	583	End	1127
Name	OJ000125_09.0303.C35.o1.tc	Method	TBLASTX:Cress
Start	583	End	929
GI	none	Score	245
Exons	583..801, 585..800, 805..924, 807..929		

Seq. No.	48259	Seq. ID	OJ000125_09.0303.C35
Gene No.	102762	Strand	
Start	583	End	1127
Name	OJ000125_09.0303.C35.o1.ts	Method	TBLASTX:Soybean
Start	607	End	1119
GI	none	Score	203
Exons	607..801, 610..801, 805..921, 807..917, 1018..1119, 1020..1115		

Seq. No.	48259	Seq. ID	OJ000125_09.0303.C35
Gene No.	102762	Strand	
Start	583	End	1127
Name	OJ000125_09.0303.C35.o1.tm	Method	TBLASTX:Maize
Start	733	End	1127
GI	none	Score	51
Exons	733..759, 733..777, 768..923, 769..921, 1018..1119, 1018..1116, 1020..1127		

Seq. No.	48260	Seq. ID	OJ000125_09.0303.C37
Gene No.	102763	Strand	
Start	505	End	1280
Name	OJ000125_09.0303.C37.o1.tm	Method	TBLASTX:Maize
Start	505	End	1280
GI	none	Score	59
Exons	505..582, 539..652, 553..651, 575..652, 731..844, 732..845, 732..845, 1047..1148, 1054..1191, 1055..1183, 1263..1280		

Seq. No.	48261	Seq. ID	OJ000125_09.0303.C38
Gene No.	102764	Strand	
Start	2	End	227

Name	OJ000125_09.0303.C38.o1.tc	Method	TBLASTX:Cress
Start	2	End	214
GI	none	Score	118
Exons	2..214, 3..161		

Seq. No.	48261	Seq. ID	OJ000125_09.0303.C38
Gene No.	102764	Strand	
Start	2	End	227
Name	OJ000125_09.0303.C38.o1.tm	Method	TBLASTX:Maize
Start	2	End	220
GI	none	Score	76
Exons	2..220, 90..161, 143..220		

Seq. No.	48261	Seq. ID	OJ000125_09.0303.C38
Gene No.	102764	Strand	
Start	2	End	227
Name	OJ000125_09.0303.C38.o1.ts	Method	TBLASTX:Soybean
Start	2	End	227
GI	none	Score	85
Exons	2..223, 90..227		

Seq. No.	48262	Seq. ID	OJ000125_09.0303.C42
Gene No.	102765	Strand	+
Start	281	End	758
Name	OJ000125_09.0303.C42.o1.gp	Method	AAT/GAP
Start	281	End	758
GI	2799050	Score	805
Exons	281..758		
GI Descrip.	1698774/gb|U70311|CVU70311 1.0e-20 Filamentous phage display expression cloning vector pZGT5 with murine Ig kappa light chain fragment insert, complete sequence		

Seq. No.	48263	Seq. ID	OJ000125_09.0303.C43
Gene No.	102766	Strand	
Start	77	End	712
Name	OJ000125_09.0303.C43.o1.tm	Method	TBLASTX:Maize
Start	77	End	712
GI	none	Score	177
Exons	77..235, 99..233, 103..246, 313..537, 316..462, 323..493, 375..506, 625..708, 628..711, 632..712		

Seq. No.	48263	Seq. ID	OJ000125_09.0303.C43
Gene No.	102766	Strand	
Start	77	End	712
Name	OJ000125_09.0303.C43.o1.ts	Method	TBLASTX:Soybean
Start	77	End	709
GI	none	Score	161
Exons	77..235, 81..236, 102..248, 103..237, 313..528, 314..526, 628..708, 629..709		

Seq. No.	48263	Seq. ID	OJ000125_09.0303.C43
Gene No.	102766	Strand	
Start	77	End	712
Name	OJ000125_09.0303.C43.o1.tc	Method	TBLASTX:Cress
Start	95	End	702
GI	none	Score	118
Exons	95..235, 117..233, 313..513, 323..496, 628..702		

Seq. No.	48264	Seq. ID	OJ000125_09.0303.C45
Gene No.	102767	Strand	
Start	2	End	1095
Name	OJ000125_09.0303.C45.o1.tc	Method	TBLASTX:Cress
Start	2	End	709
GI	none	Score	74
Exons	2..67, 3..68, 166..246, 167..247, 331..435, 332..424, 487..708, 557..709		

Seq. No.	48264	Seq. ID	OJ000125_09.0303.C45
Gene No.	102767	Strand	
Start	2	End	1095
Name	OJ000125_09.0303.C45.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1095
GI	none	Score	69
Exons	2..67, 3..68, 166..246, 167..247, 331..435, 332..436, 487..708, 563..709, 898..1095, 941..1093		

Seq. No.	48264	Seq. ID	OJ000125_09.0303.C45
Gene No.	102767	Strand	
Start	2	End	1095
Name	OJ000125_09.0303.C45.o1.tm	Method	TBLASTX:Maize
Start	2	End	708
GI	none	Score	65
Exons	2..67, 3..68, 166..249, 166..246, 283..423, 331..420, 487..708, 502..639, 557..703, 615..707		

Seq. No.	48264	Seq. ID	OJ000125_09.0303.C45
Gene No.	102767	Strand	
Start	2	End	1095
Name	OJ000125_09.0303.C45.o1.tw	Method	TBLASTX:Wheat
Start	8	End	603
GI	none	Score	59
Exons	8..67, 9..62, 166..231, 166..246, 167..268, 176..238, 322..435, 323..406, 340..426, 520..603, 523..594		

Seq. No.	48264	Seq. ID	OJ000125_09.0303.C45
Gene No.	102767	Strand	
Start	2	End	1095
Name	OJ000125_09.0303.C45.o2.tc	Method	TBLASTX:Cress
Start	805	End	1095
GI	none	Score	52
Exons	805..861, 898..1095, 941..1090		

Seq. No.	48264	Seq. ID	OJ000125_09.0303.C45
Gene No.	102767	Strand	
Start	2	End	1095
Name	OJ000125_09.0303.C45.o2.tm	Method	TBLASTX:Maize
Start	884	End	1095
GI	none	Score	146
Exons	884..1093, 898..1095, 931..1095		

Seq. No.	48265	Seq. ID	OJ000125_09.0303.C46
Gene No.	102768	Strand	
Start	581	End	940
Name	OJ000125_09.0303.C46.o1.tm	Method	TBLASTX:Maize

Start	581	End	940
GI	none	Score	64
Exons	581..697, 583..690, 805..933,	833..940	

Seq. No.	48266	Seq. ID	OJ000125_09.0303.C47
Gene No.	102769	Strand	+
Start	1426	End	1899
Name	OJ000125_09.0303.C47.o1.gp	Method	AAT/GAP
Start	1426	End	1899
GI	none	Score	480
Exons	1426..1501, 1584..1655, 1773..	1899	

Seq. No.	48267	Seq. ID	OJ000125_09.0303.C48
Gene No.	102770	Strand	-
Start	1	End	318
Name	OJ000125_09.0303.C48.o1.gp	Method	AAT/GAP
Start	1	End	318
GI	426666	Score	625
Exons	1..318		

Seq. No.	48268	Seq. ID	OJ000125_09.0303.C50
Gene No.	102771	Strand	+
Start	283	End	616
Name	OJ000125_09.0303.C50.o1.tm	Method	TBLASTX:Maize
Start	280	End	447
GI	none	Score	152
Exons	280..378, 282..383, 283..447,	285..416	

Seq. No.	48268	Seq. ID	OJ000125_09.0303.C50
Gene No.	102771	Strand	+
Start	283	End	616
Name	OJ000125_09.0303.C50.o1.tw	Method	TBLASTX:Wheat
Start	280	End	417
GI	none	Score	125
Exons	280..417, 282..416, 283..417		

Seq. No.	48268	Seq. ID	OJ000125_09.0303.C50
Gene No.	102771	Strand	+
Start	283	End	616
Name	OJ000125_09.0303.C50.o1.gp	Method	AAT/GAP
Start	283	End	616
GI	43_3.R1084	Score	629
Exons	283..616		
GI Descrip.	'4768911/gb|AAD29676.1|AF131201_1 2.0e-92 (AF131201) plasma membrane MIP protein [Zea mays]'		

Seq. No.	48269	Seq. ID	OJ000125_09.0303.C51
Gene No.	102772	Strand	
Start	42	End	445
Name	OJ000125_09.0303.C51.o1.tc	Method	TBLASTX:Cress
Start	42	End	445
GI	none	Score	127
Exons	42..197, 55..201, 292..435,	293..445	

Seq. No.	48269	Seq. ID	OJ000125_09.0303.C51
Gene No.	102772	Strand	
Start	42	End	445

Name	OJ000125_09.0303.C51.o1.tw	Method	TBLASTX:Wheat
Start	42	End	442
GI	none	Score	77
Exons	42..197, 43..201, 292..435, 293..418, 293..442		

Seq. No.	48269	Seq. ID	OJ000125_09.0303.C51
Gene No.	102772	Strand	
Start	42	End	445
Name	OJ000125_09.0303.C51.o1.tm	Method	TBLASTX:Maize
Start	42	End	439
GI	none	Score	67
Exons	42..197, 57..179, 58..201, 288..437, 292..435, 293..439, 293..436, 301..435, 302..439, 344..436		

Seq. No.	48269	Seq. ID	OJ000125_09.0303.C51
Gene No.	102772	Strand	
Start	42	End	445
Name	OJ000125_09.0303.C51.o1.ts	Method	TBLASTX:Soybean
Start	42	End	439
GI	none	Score	108
Exons	42..197, 58..201, 292..435, 293..439, 293..436		

Seq. No.	48270	Seq. ID	OJ000125_09.0303.C52
Gene No.	102773	Strand	
Start	86	End	718
Name	OJ000125_09.0303.C52.o1.tm	Method	TBLASTX:Maize
Start	86	End	718
GI	none	Score	40
Exons	86..118, 160..240, 163..267, 250..327, 349..438, 454..582, 454..717, 458..718		

Seq. No.	48270	Seq. ID	OJ000125_09.0303.C52
Gene No.	102773	Strand	
Start	86	End	718
Name	OJ000125_09.0303.C52.o1.ts	Method	TBLASTX:Soybean
Start	307	End	718
GI	none	Score	69
Exons	307..453, 452..568, 454..567, 580..717, 581..718		

Seq. No.	48270	Seq. ID	OJ000125_09.0303.C52
Gene No.	102773	Strand	
Start	86	End	718
Name	OJ000125_09.0303.C52.o1.tc	Method	TBLASTX:Cress
Start	352	End	718
GI	none	Score	89
Exons	352..453, 454..567, 580..717, 581..718		

Seq. No.	48271	Seq. ID	OJ000125_09.0303.C56
Gene No.	102774	Strand	+
Start	75	End	165
Name	OJ000125_09.0303.C56.o1.gp	Method	AAT/GAP
Start	75	End	165
GI	LIB3477-003-P1-K1-E9	Score	85
Exons	75..165		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	48272	Seq. ID	OJ000125_09.0303.C57
Gene No.	102775	Strand	
Start	135	End	1251
Name	OJ000125_09.0303.C57.o2.ts	Method	TBLASTX:Soybean
Start	135	End	351
GI	none	Score	109
Exons	135..350, 216..347, 298..351		

Seq. No.	48272	Seq. ID	OJ000125_09.0303.C57
Gene No.	102775	Strand	
Start	135	End	1251
Name	OJ000125_09.0303.C57.o1.tc	Method	TBLASTX:Cress
Start	213	End	1251
GI	none	Score	114
Exons	213..383, 225..365, 298..384, 707..940, 708..920, 1012..1251		

Seq. No.	48272	Seq. ID	OJ000125_09.0303.C57
Gene No.	102775	Strand	
Start	135	End	1251
Name	OJ000125_09.0303.C57.o1.tm	Method	TBLASTX:Maize
Start	216	End	1161
GI	none	Score	65
Exons	216..374, 707..940, 708..899, 1022..1135, 1039..1161		

Seq. No.	48272	Seq. ID	OJ000125_09.0303.C57
Gene No.	102775	Strand	
Start	135	End	1251
Name	OJ000125_09.0303.C57.o1.ts	Method	TBLASTX:Soybean
Start	695	End	1161
GI	none	Score	108
Exons	695..940, 705..884, 1039..1161, 1070..1135		

Seq. No.	48273	Seq. ID	OJ000125_09.0303.C61
Gene No.	102776	Strand	+
Start	97	End	1326
Name	OJ000125_09.0303.C61.o1.tc	Method	TBLASTX:Cress
Start	35	End	403
GI	none	Score	63
Exons	35..388, 45..140, 46..402, 47..403		

Seq. No.	48273	Seq. ID	OJ000125_09.0303.C61
Gene No.	102776	Strand	+
Start	97	End	1326
Name	OJ000125_09.0303.C61.o1.tm	Method	TBLASTX:Maize
Start	35	End	1326
GI	none	Score	532
Exons	35..172, 47..430, 49..426, 497..592, 516..596, 516..587, 521..595, 686..754, 687..755, 693..755, 848..889, 905..982, 907..987, 1045..1185, 1064..1186, 1260..1322, 1261..1326		

Seq. No.	48273	Seq. ID	OJ000125_09.0303.C61
Gene No.	102776	Strand	+
Start	97	End	1326
Name	OJ000125_09.0303.C61.o1.ts	Method	TBLASTX:Soybean
Start	38	End	406
GI	none	Score	490

Exons	38..406, 61..402		
Seq. No.	48273	Seq. ID	OJ000125_09.0303.C61
Gene No.	102776	Strand	+
Start	97	End	1326
Name	OJ000125_09.0303.C61.o1.gp	Method	AAT/GAP
Start	97	End	710
GI	24957_1.R1084	Score	822
Exons	97..430, 519..594, 688..710		
GI Descrip.	'5689035/dbj|BAA83071.1| 1.0e-57 (AB022053) prolyl oligopeptidase [Mus musculus]'		
Seq. No.	48273	Seq. ID	OJ000125_09.0303.C61
Gene No.	102776	Strand	+
Start	97	End	1326
Name	OJ000125_09.0303.C61.o2.ts	Method	TBLASTX:Soybean
Start	705	End	1161
GI	none	Score	98
Exons	705..755, 710..754, 848..889, 905..982, 907..987, 1045..1161		
Seq. No.	48273	Seq. ID	OJ000125_09.0303.C61
Gene No.	102776	Strand	+
Start	97	End	1326
Name	OJ000125_09.0303.C61.o2.tc	Method	TBLASTX:Cress
Start	726	End	1314
GI	none	Score	60
Exons	726..755, 848..889, 850..885, 905..988, 907..987, 1060..1197, 1061..1186, 1261..1314, 1261..1305		
Seq. No.	48274	Seq. ID	OJ000125_05.0316.C1
Gene No.	102777	Strand	-
Start	1	End	1012
Name	OJ000125_05.0316.C1.o1.np	Method	AAT/NAP
Start	1	End	1012
GI	5091513	Score	1582
Exons	1..1012		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	48274	Seq. ID	OJ000125_05.0316.C1
Gene No.	102777	Strand	-
Start	1	End	1012
Name	OJ000125_05.0316.C1.o1.gs	Method	GENSCAN
Start	58	End	1008
GI	none	Score	.44
Exons	58..1008		
Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102778	Strand	+
Start	9855	End	11464
Name	OJ000125_05.0316.C2.o2.np	Method	AAT/NAP
Start	9855	End	11464
GI	129232	Score	1653
Exons	9855..11192, 11386..11464		
GI Descrip.	ORYZAIN BETA CHAIN PRECURSOR gi|67645|pir||KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice gi|218183|dbj|BAA14403.1| (D90407) oryzain beta precursor [Oryza sativa]		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102779	Strand	+
Start	12950	End	14776
Name	OJ000125_05.0316.C2.o3.gp	Method	AAT/GAP
Start	12950	End	13753
GI	LIB3432-014-P1-K1-E9	Score	818
Exons	12950..13334, 13704..13753		
GI Descrip.	'565652/dbj|D28135|HYMRUBSCO 2.0e-10 Hydrogenovibrio marinus gene for ribulose-bisphosphate carboxylase, complete cds'		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102779	Strand	+
Start	12950	End	14776
Name	OJ000125_05.0316.C2.o3.np	Method	AAT/NAP
Start	13023	End	14705
GI	7406453	Score	616
Exons	13023..13334, 13704..13771, 13863..13994, 14080..14195, 14321..14435, 14522..14705		
GI Descrip.	(AL162875) putative protein [Arabidopsis thaliana]		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102779	Strand	+
Start	12950	End	14776
Name	OJ000125_05.0316.C2.o4.gp	Method	AAT/GAP
Start	13877	End	14776
GI	4715716	Score	1018
Exons	13877..13994, 14080..14195, 14321..14435, 14522..14776		
GI Descrip.	565652/dbj|D28135|HYMRUBSCO 2.0e-10 Hydrogenovibrio marinus gene for ribulose-bisphosphate carboxylase, complete cds		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102780	Strand	-
Start	1	End	9279
Name	OJ000125_05.0316.C2.o1.np	Method	AAT/NAP
Start	1	End	2364
GI	7106512	Score	1792
Exons	1..485, 652..1482, 1585..2231, 2305..2364		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102780	Strand	-
Start	1	End	9279
Name	OJ000125_05.0316.C2.o1.gs	Method	GENSCAN
Start	19	End	421
GI	none	Score	.83
Exons	19..421		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102780	Strand	-
Start	1	End	9279
Name	OJ000125_05.0316.C2.o2.gs	Method	GENSCAN
Start	630	End	1487
GI	none	Score	.91
Exons	630..1276, 1343..1487		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2

Gene No.	102780	Strand	-
Start	1	End	9279
Name	OJ000125_05.0316.C2.o3.gs	Method	GENSCAN
Start	1830	End	9279
GI	none	Score	.69
Exons	1830..1894, 2172..2231, 3050..3101, 3107..3305, 3483..3803, 6263..6401, 6885..6941, 7276..7393, 7503..7652, 8269..8418, 8753..8835, 8924..9098, 9196..9279		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102780	Strand	-
Start	1	End	9279
Name	OJ000125_05.0316.C2.o1.gp	Method	AAT/GAP
Start	5110	End	5352
GI	2797265	Score	470
Exons	5110..5352		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102781	Strand	-
Start	12237	End	12326
Name	OJ000125_05.0316.C2.o2.gp	Method	AAT/GAP
Start	12237	End	12326
GI	LIB3477-003-P1-K1-E9	Score	103
Exons	12237..12326		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o4.tm	Method	TBLASTX:Maize
Start	7298	End	7840
GI	none	Score	74
Exons	7298..7393, 7308..7403, 7309..7401, 7485..7655, 7506..7658, 7762..7836, 7772..7840, 7775..7837, 7776..7838		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o1.tc	Method	TBLASTX:Cress
Start	9939	End	11186
GI	none	Score	42
Exons	9939..9974, 9987..10028, 10079..10138, 10080..10145, 10164..10256, 10181..10234, 10251..10331, 10286..10336, 10320..10424, 10331..10423, 10479..10781, 10484..10780, 10833..10946, 10847..10933, 11010..11186, 11012..11164		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o1.tm	Method	TBLASTX:Maize
Start	9939	End	11200
GI	none	Score	120
Exons	9939..10031, 9978..10001, 10079..10138, 10080..10160, 10161..10256, 10175..10234, 10244..10780, 10245..10283, 10287..10331, 10332..10781, 10833..10946, 10841..10939,		

10933..10968, 10934..10969, 11013..11189, 11015..11200

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o1.ts	Method	TBLASTX:Soybean
Start	9987	End	11200
GI	none	Score	39
Exons	9987..10028, 10079..10138, 10080..10151, 10164..10232, 10178..10234, 10268..10330, 10287..10331, 10320..10424, 10331..10423, 10472..10777, 10473..10781, 10833..10901, 10847..10882, 10905..10946, 11013..11192, 11027..11200		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o1.tw	Method	TBLASTX:Wheat
Start	10080	End	10889
GI	none	Score	71
Exons	10080..10151, 10178..10219, 10284..10424, 10286..10423, 10479..10715, 10484..10582, 10588..10608, 10716..10889		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o3.tw	Method	TBLASTX:Wheat
Start	11024	End	11186
GI	none	Score	228
Exons	11024..11185, 11025..11186		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o5.tm	Method	TBLASTX:Maize
Start	13701	End	14026
GI	none	Score	72
Exons	13701..13751, 13701..13760, 13703..13771, 13706..13771, 13830..13994, 13834..14004, 13852..13995, 13865..14026		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o2.ts	Method	TBLASTX:Soybean
Start	13860	End	14699
GI	none	Score	157
Exons	13860..13994, 13861..13992, 14313..14429, 14314..14430, 14522..14686, 14523..14699		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o3.tm	Method	TBLASTX:Maize
Start	14079	End	14635
GI	none	Score	73
Exons	14079..14150, 14081..14197, 14081..14197, 14212..14268, 14314..14424, 14317..14436, 14319..14432, 14508..14633, 14519..14635		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o5.gs	Method	GENSCAN
Start	15167	End	15718
GI	none	Score	.91
Exons	15167..15718		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o4.np	Method	AAT/NAP
Start	15170	End	15937
GI	5091619	Score	648
Exons	15170..15718, 15915..15937		
GI Descrip.	(AC007454) F23M19.7 [Arabidopsis thaliana]		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o2.tm	Method	TBLASTX:Maize
Start	15236	End	15721
GI	none	Score	110
Exons	15236..15292, 15329..15721, 15510..15632		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o2.tc	Method	TBLASTX:Cress
Start	15332	End	15719
GI	none	Score	98
Exons	15332..15718, 15510..15719		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o2.tw	Method	TBLASTX:Wheat
Start	15335	End	15701
GI	none	Score	70
Exons	15335..15700, 15383..15616, 15510..15701		

Seq. No.	48275	Seq. ID	OJ000125_05.0316.C2
Gene No.	102782	Strand	-
Start	15167	End	15937
Name	OJ000125_05.0316.C2.o3.ts	Method	TBLASTX:Soybean
Start	15473	End	15718
GI	none	Score	65
Exons	15473..15718, 15485..15595, 15510..15620		

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3
Gene No.	102783	Strand	+
Start	214	End	9496
Name	OJ000125_05.0316.C3.o1.gs	Method	GENSCAN
Start	214	End	9496
GI	none	Score	.8
Exons	214..302, 1592..2259, 2666..2871, 3084..3488, 3518..3686,		

3848..3956, 5474..5636, 6650..6793, 6949..7051, 7446..7490,
8977..9251, 9332..9496

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3
Gene No.	102783	Strand	+
Start	214	End	9496
Name	OJ000125_05.0316.C3.o1.gp	Method	AAT/GAP
Start	3252	End	3615
GI	2311047	Score	502
Exons	3252..3488, 3570..3615		

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3
Gene No.	102783	Strand	+
Start	214	End	9496
Name	OJ000125_05.0316.C3.o2.np	Method	AAT/NAP
Start	3396	End	9493
GI	7527718	Score	814
Exons	3396..3488, 3570..3732, 3885..4137, 5467..5636, 6207..6284, 6384..6452, 6650..6793, 6949..7048, 9001..9251, 9332..9493		
GI Descrip.	(AC010657) T5E21.7 [Arabidopsis thaliana]		

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3
Gene No.	102783	Strand	+
Start	214	End	9496
Name	OJ000125_05.0316.C3.o2.gp	Method	AAT/GAP
Start	6679	End	9162
GI	LIB3431-052-P1-K1-E10	Score	719
Exons	6679..6793, 6949..7051, 8977..9162		
GI Descrip.	'2244781/emb|CAB10204.1| 5.0e-12 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3
Gene No.	102784	Strand	-
Start	1	End	2210
Name	OJ000125_05.0316.C3.o1.np	Method	AAT/NAP
Start	1	End	2210
GI	5091619	Score	656
Exons	1..22, 488..763, 1595..2210		
GI Descrip.	(AC007454) F23M19.7 [Arabidopsis thaliana]		

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3
Gene No.	102785	Strand	-
Start	9384	End	10062
Name	OJ000125_05.0316.C3.o3.gp	Method	AAT/GAP
Start	9384	End	9751
GI	none	Score	696
Exons	9384..9751		

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3
Gene No.	102785	Strand	-
Start	9384	End	10062
Name	OJ000125_05.0316.C3.o2.gs	Method	GENSCAN
Start	9547	End	10062
GI	none	Score	.63
Exons	9547..9678, 9784..10062		

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3

Gene No.	102786	Strand	-
Start	18598	End	19794
Name	OJ000125_05.0316.C3.o2.tm	Method	TBLASTX:Maize
Start	504	End	744
GI	none	Score	243
Exons	504..743, 508..732, 510..743, 511..744		

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3
Gene No.	102786	Strand	-
Start	18598	End	19794
Name	OJ000125_05.0316.C3.o1.tm	Method	TBLASTX:Maize
Start	3374	End	9510
GI	none	Score	151
Exons	3374..3481, 3375..3488, 3548..3628, 3555..3629, 3693..3815, 3829..3897, 3829..3885, 3830..3895, 3877..3942, 3881..3940, 3883..3951, 5475..5636, 5477..5635, 5481..5636, 5482..5643, 6205..6282, 6205..6282, 6206..6286, 6207..6287, 6359..6454, 6382..6459, 6384..6455, 6384..6467, 6639..6701, 6647..6793, 6648..6701, 6650..6793, 6946..7068, 6948..7064, 8994..9062, 8997..9062, 9007..9063, 9079..9249, 9080..9247, 9087..9251, 9111..9254, 9176..9253, 9329..9490, 9331..9510, 9331..9489		

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3
Gene No.	102786	Strand	-
Start	18598	End	19794
Name	OJ000125_05.0316.C3.o2.ts	Method	TBLASTX:Soybean
Start	5553	End	7017
GI	none	Score	113
Exons	5553..5636, 5558..5635, 6206..6286, 6207..6287, 6359..6454, 6384..6455, 6650..6793, 6658..6792, 6946..7017		

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3
Gene No.	102786	Strand	-
Start	18598	End	19794
Name	OJ000125_05.0316.C3.o1.ts	Method	TBLASTX:Soybean
Start	9117	End	9496
GI	none	Score	169
Exons	9117..9254, 9329..9496		

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3
Gene No.	102786	Strand	-
Start	18598	End	19794
Name	OJ000125_05.0316.C3.o1.tc	Method	TBLASTX:Cress
Start	9135	End	9511
GI	none	Score	56
Exons	9135..9164, 9150..9254, 9179..9247, 9329..9379, 9331..9378, 9358..9498, 9362..9511		

Seq. No.	48276	Seq. ID	OJ000125_05.0316.C3
Gene No.	102786	Strand	-
Start	18598	End	19794
Name	OJ000125_05.0316.C3.o4.gs	Method	GENSCAN
Start	18598	End	19794
GI	none	Score	.89
Exons	18598..18935, 19788..19794		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4

Gene No.	102787	Strand	-
Start	1	End	5970
Name	OJ000125_05.0316.C4.o1.np	Method	AAT/NAP
Start	1	End	167
GI	6692131	Score	85
Exons	1..167		
GI Descrip.	(AC007654) T19E23.10 [Arabidopsis thaliana]		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102787	Strand	-
Start	1	End	5970
Name	OJ000125_05.0316.C4.o1.gs	Method	GENSCAN
Start	13	End	5949
GI	none	Score	.44
Exons	13..503, 1585..1659, 4351..4623, 5064..5204, 5647..5949		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102787	Strand	-
Start	1	End	5970
Name	OJ000125_05.0316.C4.o2.np	Method	AAT/NAP
Start	3860	End	5970
GI	6063552	Score	871
Exons	3860..4000, 4351..4623, 5064..5247, 5593..5970		
GI Descrip.	(AP000615) ESTs AU065232(E60855),C23624(S1554), AU078241(E60855) correspond to a region of the predicted gene.; similar to putative adenylate kinase. (AC005896) [Oryza sativa]		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102787	Strand	-
Start	1	End	5970
Name	OJ000125_05.0316.C4.o1.gp	Method	AAT/GAP
Start	5056	End	5766
GI	2431503	Score	474
Exons	5056..5204, 5647..5766		
GI Descrip.	4056480 4.0e-29 (AC005896) putative adenylate kinase [Arabidopsis thaliana]		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102788	Strand	-
Start	6979	End	10269
Name	OJ000125_05.0316.C4.o2.gp	Method	AAT/GAP
Start	6979	End	7491
GI	19075_1.R1084	Score	947
Exons	6979..7491		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 2.0e-09 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102788	Strand	-
Start	6979	End	10269
Name	OJ000125_05.0316.C4.o2.gs	Method	GENSCAN
Start	7191	End	10106
GI	none	Score	.89
Exons	7191..7502, 7622..8051, 8215..8312, 8872..8959, 9055..9168, 9257..9461, 10016..10106		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4

Gene No.	102788	Strand	-
Start	6979	End	10269
Name	OJ000125_05.0316.C4.o3.np	Method	AAT/NAP
Start	7194	End	10244
GI	4531444	Score	1323
Exons	7194..7502, 7622..8051, 8215..8312, 8460..8562, 8668..8753, 8872..8959, 9055..9168, 9257..9442, 10186..10244		
GI Descrip.	(AC006224) putative amine oxidase [Arabidopsis thaliana]		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102788	Strand	-
Start	6979	End	10269
Name	OJ000125_05.0316.C4.o3.gp	Method	AAT/GAP
Start	9087	End	10269
GI	29451_1.R1084	Score	1380
Exons	9087..9168, 9257..9461, 9812..10269		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 6.0e-12 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102789	Strand	-
Start	10994	End	15435
Name	OJ000125_05.0316.C4.o3.gs	Method	GENSCAN
Start	10994	End	15170
GI	none	Score	.8
Exons	10994..11128, 11617..11910, 11967..12396, 12507..12604, 12697..12799, 12891..12976, 13060..13147, 13429..13517, 13651..13766, 14931..15080, 15086..15170		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102789	Strand	-
Start	10994	End	15435
Name	OJ000125_05.0316.C4.o4.gp	Method	AAT/GAP
Start	11306	End	15435
GI	2516_1.R1084	Score	3973
Exons	11306..11868, 11967..12396, 12507..12604, 12697..12799, 12891..12976, 13060..13147, 13232..13345, 13429..13517, 13651..13766, 14931..15435		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 1.0e-160 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102789	Strand	-
Start	10994	End	15435
Name	OJ000125_05.0316.C4.o4.np	Method	AAT/NAP
Start	11551	End	13809
GI	6686400	Score	1378
Exons	11551..11903, 11945..12396, 12507..12604, 12697..12799, 12891..12976, 13060..13147, 13232..13345, 13429..13517, 13651..13809		
GI Descrip.	(AC007234) F1E22.18 [Arabidopsis thaliana]		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102790	Strand	-
Start	16810	End	23260
Name	OJ000125_05.0316.C4.o4.gs	Method	GENSCAN
Start	16810	End	23260

GI	none	Score	.47
Exons	16810..16887, 16926..17067, 18019..18166, 18958..18985, 20701..21174, 21459..21538, 21566..21629, 22555..22703, 22760..22966, 23098..23260		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o3.tm	Method	TBLASTX:Maize
Start	3589	End	5694
GI	none	Score	42
Exons	3589..3693, 3707..3754, 3708..3743, 3851..3892, 3854..3892, 3863..3997, 3864..3998, 3891..3998, 3904..4026, 3907..4002, 4351..4623, 4351..4623, 4353..4625, 5060..5206, 5063..5197, 5064..5234, 5064..5207, 5644..5694, 5647..5694		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o3.ts	Method	TBLASTX:Soybean
Start	3863	End	5797
GI	none	Score	129
Exons	3863..3997, 3864..3995, 4342..4620, 4351..4623, 4383..4625, 4409..4624, 5059..5205, 5064..5207, 5698..5787, 5699..5797, 5730..5795		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o2.tc	Method	TBLASTX:Cress
Start	3882	End	5784
GI	none	Score	114
Exons	3882..3995, 3890..3997, 4351..4623, 4357..4635, 4362..4625, 5064..5165, 5064..5159, 5163..5219, 5165..5209, 5641..5784, 5654..5782		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o1.tm	Method	TBLASTX:Maize
Start	7174	End	15167
GI	none	Score	337
Exons	7174..7293, 7191..7502, 7191..7502, 7192..7503, 7438..7515, 7622..8053, 7623..7988, 7623..8054, 8175..8315, 8214..8315, 8459..8557, 8459..8557, 8460..8564, 8663..8755, 8667..8756, 8672..8746, 8871..8957, 8872..8961, 8873..8962, 9055..9168, 9057..9167, 9253..9462, 9256..9462, 9257..9463, 10012..10116, 10012..10044, 10032..10115, 10120..10143, 11531..11596, 11549..11857, 11614..11865, 11615..11863, 11967..12407, 11968..12399, 12495..12605, 12506..12607, 12506..12607, 12507..12608, 12695..12799, 12695..12748, 12696..12770, 12697..12801, 12889..12978, 12890..12988, 12891..12977, 13054..13143, 13059..13166, 13061..13156, 13232..13345, 13234..13344, 13239..13346, 13240..13347, 13425..13496, 13425..13520, 13426..13518, 13630..13677, 13631..13768, 15123..15167		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o3.tc	Method	TBLASTX:Cress
Start	7233	End	11869
GI	none	Score	167
Exons	7233..7499, 7252..7527, 7619..7705, 11617..11868, 11618..11869		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o1.ts	Method	TBLASTX:Soybean
Start	7269	End	13741
GI	none	Score	173
Exons	7269..7499, 7303..7497, 7619..8053, 7643..7981, 7710..7985, 8214..8315, 8460..8564, 8667..8756, 9055..9168, 9057..9167, 9065..9169, 9236..9358, 9240..9422, 9253..9435, 9256..9372, 11605..11868, 11627..11869, 11964..12407, 11965..12372, 11976..12374, 12506..12607, 12507..12605, 12507..12608, 12508..12606, 12693..12782, 12695..12802, 12695..12781, 12697..12801, 12890..12988, 12894..12977, 13060..13140, 13061..13156, 13232..13345, 13233..13346, 13237..13347, 13407..13505, 13423..13518, 13425..13520, 13426..13518, 13427..13534, 13649..13741		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o1.tc	Method	TBLASTX:Cress
Start	7706	End	13738
GI	none	Score	206
Exons	7706..8053, 7710..7985, 7712..8089, 7857..8054, 8214..8315, 8224..8298, 8460..8564, 8727..8747, 8866..8910, 8911..8961, 9063..9095, 9070..9093, 9090..9167, 9091..9168, 9256..9372, 9257..9358, 12054..12398, 12055..12399, 12235..12399, 12506..12607, 12507..12590, 12697..12801, 12697..12801, 12900..12932, 13057..13098, 13096..13143, 13113..13148, 13228..13272, 13239..13268, 13241..13270, 13268..13345, 13288..13347, 13321..13344, 13425..13520, 13426..13518, 13640..13738		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o2.tw	Method	TBLASTX:Wheat
Start	7976	End	12778
GI	none	Score	82
Exons	7976..8053, 8214..8315, 8214..8315, 8460..8543, 8460..8540, 12318..12398, 12318..12407, 12319..12399, 12502..12606, 12506..12607, 12506..12607, 12507..12608, 12695..12778, 12697..12777		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o1.tw	Method	TBLASTX:Wheat
Start	8721	End	15074

GI	none	Score	77
Exons	8721..8756, 8872..8961, 8873..8962, 9055..9162, 9057..9167, 9062..9169, 9236..9358, 9256..9462, 9265..9444, 9410..9463, 12943..12978, 12943..12978, 13054..13143, 13059..13178, 13061..13156, 13230..13346, 13233..13346, 13234..13347, 13390..13518, 13425..13520, 13426..13518, 13427..13519, 13649..13768, 13650..13769, 13688..13768, 13689..13769, 14926..14964, 14931..15074		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o6.tm	Method	TBLASTX:Maize
Start	20620	End	21165
GI	none	Score	45
Exons	20620..20730, 20632..21165, 20801..20953		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o4.ts	Method	TBLASTX:Soybean
Start	21369	End	21809
GI	none	Score	142
Exons	21369..21506, 21591..21809		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o5.tm	Method	TBLASTX:Maize
Start	21381	End	21773
GI	none	Score	107
Exons	21381..21773, 21460..21594, 21661..21771		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o4.tw	Method	TBLASTX:Wheat
Start	21456	End	21860
GI	none	Score	150
Exons	21456..21581, 21594..21860		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o2.ts	Method	TBLASTX:Soybean
Start	24764	End	25444
GI	none	Score	72
Exons	24764..25027, 24861..25022, 25055..25444, 25140..25250, 25284..25439		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o5.gs	Method	GENSCAN
Start	24785	End	25804
GI	none	Score	.58
Exons	24785..25804		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o5.np	Method	AAT/NAP
Start	24788	End	25909
GI	6630685	Score	1209
Exons	24788..25909		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o2.tm	Method	TBLASTX:Maize
Start	24806	End	25462
GI	none	Score	299
Exons	24806..25462, 24807..25454		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o4.tc	Method	TBLASTX:Cress
Start	24806	End	25465
GI	none	Score	67
Exons	24806..25018, 24900..25019, 25037..25171, 25283..25453, 25292..25465		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o3.tw	Method	TBLASTX:Wheat
Start	25229	End	25645
GI	none	Score	83
Exons	25229..25465, 25230..25454, 25493..25645		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o5.ts	Method	TBLASTX:Soybean
Start	25445	End	25673
GI	none	Score	70
Exons	25445..25669, 25506..25673		

Seq. No.	48277	Seq. ID	OJ000125_05.0316.C4
Gene No.	102791	Strand	-
Start	24785	End	25909
Name	OJ000125_05.0316.C4.o4.tm	Method	TBLASTX:Maize
Start	25577	End	25909
GI	none	Score	81
Exons	25577..25909, 25580..25744, 25716..25901		

Seq. No.	48278	Seq. ID	OJ000125_05.0316.C5
Gene No.	102792	Strand	+
Start	4175	End	4313
Name	OJ000125_05.0316.C5.o1.gp	Method	AAT/GAP
Start	4175	End	4313

GI	uC-osrocyp002b09a1	Score	219
Exons	4175..4313		
GI Descrip.	'4768980/gb|AAD29703.1|AF140490_1 1.0e-35 (AF140490) heat-shock protein [Oryza sativa]'		

Seq. No.	48278	Seq. ID	OJ000125_05.0316.C5
Gene No.	102793	Strand	-
Start	1	End	1269
Name	OJ000125_05.0316.C5.o1.np	Method	AAT/NAP
Start	1	End	1269
GI	7489803	Score	855
Exons	1..1269		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	48278	Seq. ID	OJ000125_05.0316.C5
Gene No.	102793	Strand	-
Start	1	End	1269
Name	OJ000125_05.0316.C5.o1.ts	Method	TBLASTX:Soybean
Start	21	End	443
GI	none	Score	165
Exons	21..110, 132..443, 139..432		

Seq. No.	48278	Seq. ID	OJ000125_05.0316.C5
Gene No.	102793	Strand	-
Start	1	End	1269
Name	OJ000125_05.0316.C5.o1.tc	Method	TBLASTX:Cress
Start	27	End	425
GI	none	Score	70
Exons	27..119, 135..425, 204..401		

Seq. No.	48278	Seq. ID	OJ000125_05.0316.C5
Gene No.	102793	Strand	-
Start	1	End	1269
Name	OJ000125_05.0316.C5.o1.tm	Method	TBLASTX:Maize
Start	27	End	616
GI	none	Score	274
Exons	27..134, 116..217, 129..464, 130..459, 533..616, 553..585		

Seq. No.	48278	Seq. ID	OJ000125_05.0316.C5
Gene No.	102793	Strand	-
Start	1	End	1269
Name	OJ000125_05.0316.C5.o1.tw	Method	TBLASTX:Wheat
Start	285	End	847
GI	none	Score	96
Exons	285..464, 286..387, 300..464, 421..465, 482..571, 611..847		

Seq. No.	48278	Seq. ID	OJ000125_05.0316.C5
Gene No.	102794	Strand	
Start	3332	End	3625
Name	OJ000125_05.0316.C5.o2.ts	Method	TBLASTX:Soybean
Start	3332	End	3625
GI	none	Score	179
Exons	3332..3625		

Seq. No.	48279	Seq. ID	OJ000125_05.0316.C6

Gene No.	102795	Strand	+
Start	1082	End	3668
Name	OJ000125_05.0316.C6.o1.gs	Method	GENSCAN
Start	1082	End	3668
GI	none	Score	.48
Exons	1082..1185, 1887..2014, 2773..2878, 2903..2988, 3081..3329, 3565..3668		

Seq. No.	48279	Seq. ID	OJ000125_05.0316.C6
Gene No.	102796	Strand	-
Start	1	End	631
Name	OJ000125_05.0316.C6.o1.np	Method	AAT/NAP
Start	1	End	631
GI	6069646	Score	330
Exons	1..631		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	48279	Seq. ID	OJ000125_05.0316.C6
Gene No.	102797	Strand	-
Start	3080	End	4142
Name	OJ000125_05.0316.C6.o2.tm	Method	TBLASTX:Maize
Start	54	End	439
GI	none	Score	87
Exons	54..206, 200..439, 242..439		

Seq. No.	48279	Seq. ID	OJ000125_05.0316.C6
Gene No.	102797	Strand	-
Start	3080	End	4142
Name	OJ000125_05.0316.C6.o2.tw	Method	TBLASTX:Wheat
Start	180	End	502
GI	none	Score	65
Exons	180..311, 188..502		

Seq. No.	48279	Seq. ID	OJ000125_05.0316.C6
Gene No.	102797	Strand	-
Start	3080	End	4142
Name	OJ000125_05.0316.C6.o1.tm	Method	TBLASTX:Maize
Start	3069	End	4101
GI	none	Score	87
Exons	3069..3266, 3072..3254, 3074..3271, 3075..3266, 3083..3271, 3712..3879, 3719..3865, 3720..3881, 3721..3834, 3721..3885, 3725..3886, 3827..3874, 3832..3885, 3885..4082, 3885..4082, 3886..4101, 3888..4082, 3888..4082, 3895..4083		

Seq. No.	48279	Seq. ID	OJ000125_05.0316.C6
Gene No.	102797	Strand	-
Start	3080	End	4142
Name	OJ000125_05.0316.C6.o2.ts	Method	TBLASTX:Soybean
Start	3077	End	3226
GI	none	Score	159
Exons	3077..3226, 3081..3224, 3089..3226		

Seq. No.	48279	Seq. ID	OJ000125_05.0316.C6

Gene No.	102797	Strand	-
Start	3080	End	4142
Name	OJ000125_05.0316.C6.o2.tc	Method	TBLASTX:Cress
Start	3077	End	3266
GI	none	Score	78
Exons	3077..3217, 3080..3205, 3084..3266		

Seq. No.	48279	Seq. ID	OJ000125_05.0316.C6
Gene No.	102797	Strand	-
Start	3080	End	4142
Name	OJ000125_05.0316.C6.o2.np	Method	AAT/NAP
Start	3080	End	4142
GI	6728990	Score	785
Exons	3080..3265, 3721..4142		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		

Seq. No.	48279	Seq. ID	OJ000125_05.0316.C6
Gene No.	102797	Strand	-
Start	3080	End	4142
Name	OJ000125_05.0316.C6.o1.tc	Method	TBLASTX:Cress
Start	3218	End	4084
GI	none	Score	37
Exons	3218..3259, 3721..3756, 3725..3757, 3814..3858, 3815..3859, 3844..3885, 3851..3913, 3888..4082, 3891..4082, 3907..4083, 3911..4084		

Seq. No.	48279	Seq. ID	OJ000125_05.0316.C6
Gene No.	102797	Strand	-
Start	3080	End	4142
Name	OJ000125_05.0316.C6.o1.ts	Method	TBLASTX:Soybean
Start	3737	End	4101
GI	none	Score	173
Exons	3737..3877, 3737..3781, 3739..3882, 3739..3882, 3883..3981, 3885..4082, 3885..4082, 3886..4083, 4051..4101		

Seq. No.	48279	Seq. ID	OJ000125_05.0316.C6
Gene No.	102797	Strand	-
Start	3080	End	4142
Name	OJ000125_05.0316.C6.o1.tw	Method	TBLASTX:Wheat
Start	3814	End	4083
GI	none	Score	73
Exons	3814..3918, 3815..3874, 3885..4082, 3886..4083		

Seq. No.	48280	Seq. ID	OJ000125_05.0316.C7
Gene No.	102798	Strand	-
Start	1	End	1407
Name	OJ000125_05.0316.C7.o1.np	Method	AAT/NAP
Start	1	End	1407
GI	6728990	Score	495
Exons	1..283, 1143..1259, 1351..1407		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		

Seq. No.	48280	Seq. ID	OJ000125_05.0316.C7
Gene No.	102798	Strand	-
Start	1	End	1407
Name	OJ000125_05.0316.C7.o1.gs	Method	GENSCAN
Start	7	End	1404

GI	none	Score	.97
Exons	7..283, 1143..1259, 1351..1404		

Seq. No.	48280	Seq. ID	OJ000125_05.0316.C7
Gene No.	102799	Strand	-
Start	1938	End	2092
Name	OJ000125_05.0316.C7.o2.gs	Method	GENSCAN
Start	1938	End	2092
GI	none	Score	.59
Exons	1938..2092		

Seq. No.	48280	Seq. ID	OJ000125_05.0316.C7
Gene No.	102800	Strand	-
Start	3261	End	3519
Name	OJ000125_05.0316.C7.o1.tc	Method	TBLASTX:Cress
Start	2	End	1395
GI	none	Score	265
Exons	2..286, 3..284, 5..286, 1143..1262, 1168..1257, 1348..1380, 1348..1395		

Seq. No.	48280	Seq. ID	OJ000125_05.0316.C7
Gene No.	102800	Strand	-
Start	3261	End	3519
Name	OJ000125_05.0316.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1410
GI	none	Score	219
Exons	2..286, 3..266, 1143..1262, 1145..1258, 1168..1260, 1351..1410		

Seq. No.	48280	Seq. ID	OJ000125_05.0316.C7
Gene No.	102800	Strand	-
Start	3261	End	3519
Name	OJ000125_05.0316.C7.o1.tm	Method	TBLASTX:Maize
Start	2	End	1472
GI	none	Score	211
Exons	2..172, 3..191, 5..286, 6..266, 38..286, 156..284, 170..286, 170..286, 1120..1260, 1121..1261, 1143..1265, 1143..1262, 1143..1262, 1168..1257, 1318..1395, 1334..1411, 1350..1412, 1350..1472		

Seq. No.	48280	Seq. ID	OJ000125_05.0316.C7
Gene No.	102800	Strand	-
Start	3261	End	3519
Name	OJ000125_05.0316.C7.o1.tw	Method	TBLASTX:Wheat
Start	152	End	1418
GI	none	Score	168
Exons	152..286, 153..284, 157..285, 1143..1262, 1168..1260, 1331..1402, 1350..1418, 1350..1418		

Seq. No.	48280	Seq. ID	OJ000125_05.0316.C7
Gene No.	102800	Strand	-
Start	3261	End	3519
Name	OJ000125_05.0316.C7.o1.gp	Method	AAT/GAP
Start	3261	End	3519
GI	none	Score	482
Exons	3261..3519		

Seq. No.	48281	Seq. ID	OJ000125_05.0316.C8

Gene No.	102801	Strand	-
Start	114	End	2971
Name	OJ000125_05.0316.C8.o1.gs	Method	GENSCAN
Start	114	End	2971
GI	none	Score	.98
Exons	114..1482, 1707..1817, 2825..2971		

Seq. No.	48281	Seq. ID	OJ000125_05.0316.C8
Gene No.	102802	Strand	-
Start	3000	End	7403
Name	OJ000125_05.0316.C8.o2.tm	Method	TBLASTX:Maize
Start	769	End	1483
GI	none	Score	129
Exons	769..813, 790..1026, 841..1011, 846..1019, 851..1027, 1243..1476, 1244..1480, 1250..1483		

Seq. No.	48281	Seq. ID	OJ000125_05.0316.C8
Gene No.	102802	Strand	-
Start	3000	End	7403
Name	OJ000125_05.0316.C8.o2.tc	Method	TBLASTX:Cress
Start	808	End	2893
GI	none	Score	75
Exons	808..909, 851..913, 1327..1464, 1707..1820, 1714..1818, 2825..2893		

Seq. No.	48281	Seq. ID	OJ000125_05.0316.C8
Gene No.	102802	Strand	-
Start	3000	End	7403
Name	OJ000125_05.0316.C8.o2.ts	Method	TBLASTX:Soybean
Start	1384	End	2905
GI	none	Score	129
Exons	1384..1458, 1707..1820, 1714..1818, 2813..2899, 2825..2905		

Seq. No.	48281	Seq. ID	OJ000125_05.0316.C8
Gene No.	102802	Strand	-
Start	3000	End	7403
Name	OJ000125_05.0316.C8.o3.tm	Method	TBLASTX:Maize
Start	1707	End	2908
GI	none	Score	150
Exons	1707..1820, 1711..1818, 2825..2902, 2825..2908		

Seq. No.	48281	Seq. ID	OJ000125_05.0316.C8
Gene No.	102802	Strand	-
Start	3000	End	7403
Name	OJ000125_05.0316.C8.o2.np	Method	AAT/NAP
Start	3000	End	7403
GI	4102600	Score	311
Exons	3000..3102, 5834..5944, 6865..7055, 7159..7403		
GI Descrip.	(AF013467) ARF6 [Arabidopsis thaliana]		

Seq. No.	48281	Seq. ID	OJ000125_05.0316.C8
Gene No.	102802	Strand	-
Start	3000	End	7403
Name	OJ000125_05.0316.C8.o2.gs	Method	GENSCAN
Start	4720	End	7320
GI	none	Score	.89
Exons	4720..4799, 5332..5494, 6286..6400, 6865..7055, 7159..7320		

Seq. No.	48281	Seq. ID	OJ000125_05.0316.C8
Gene No.	102802	Strand	-
Start	3000	End	7403
Name	OJ000125_05.0316.C8.o1.gp	Method	AAT/GAP
Start	5121	End	7403
GI	36294_1.R1084	Score	1713
Exons	5121..5494, 5822..5944, 6865..7055, 7159..7403		
GI Descrip.	'4102600/gb|AAD01513.1| 4.0e-42 (AF013467) ARF6 [Arabidopsis thaliana]'		

Seq. No.	48281	Seq. ID	OJ000125_05.0316.C8
Gene No.	102802	Strand	-
Start	3000	End	7403
Name	OJ000125_05.0316.C8.o1.tm	Method	TBLASTX:Maize
Start	5168	End	7403
GI	none	Score	35
Exons	5168..5200, 5168..5200, 5262..5294, 5263..5289, 5304..5339, 5306..5341, 5352..5372, 5354..5371, 5469..5495, 5848..5943, 5852..5950, 6860..7057, 6863..7057, 6864..7058, 6867..7061, 6910..7074, 7156..7401, 7157..7402, 7158..7403		

Seq. No.	48281	Seq. ID	OJ000125_05.0316.C8
Gene No.	102802	Strand	-
Start	3000	End	7403
Name	OJ000125_05.0316.C8.o1.ts	Method	TBLASTX:Soybean
Start	5861	End	7341
GI	none	Score	88
Exons	5861..5950, 5874..5933, 5875..5943, 6865..7056, 6867..7058, 6867..7061, 7156..7176, 7168..7341		

Seq. No.	48281	Seq. ID	OJ000125_05.0316.C8
Gene No.	102802	Strand	-
Start	3000	End	7403
Name	OJ000125_05.0316.C8.o1.tc	Method	TBLASTX:Cress
Start	5871	End	7061
GI	none	Score	90
Exons	5871..5939, 5872..5943, 5873..5950, 5876..5950, 6863..7057, 6867..7061, 6910..7056		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102803	Strand	+
Start	3785	End	6466
Name	OJ000125_05.0316.C9.o2.gs	Method	GENSCAN
Start	3785	End	6466
GI	none	Score	.5
Exons	3785..4229, 4322..4738, 6315..6466		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102804	Strand	-
Start	1	End	4777
Name	OJ000125_05.0316.C9.o1.gp	Method	AAT/GAP
Start	1	End	421
GI	46523_1.R1084	Score	842
Exons	1..421		
GI Descrip.	'4104931/gb|AAD02219.1| 2.0e-37 (AF042196) auxin response factor 8 [Arabidopsis thaliana]'		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102804	Strand	-
Start	1	End	4777
Name	OJ000125_05.0316.C9.o1.np	Method	AAT/NAP
Start	1	End	4777
GI	4102600	Score	1568
Exons	1..658, 1259..1415, 1628..1703, 2020..2142, 2225..2389, 2475..2565, 3348..3432, 3535..3690, 3809..3865, 3992..4090, 4206..4315, 4732..4777		
GI Descrip.	(AF013467) ARF6 [Arabidopsis thaliana]		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102804	Strand	-
Start	1	End	4777
Name	OJ000125_05.0316.C9.o1.gs	Method	GENSCAN
Start	26	End	3657
GI	none	Score	.88
Exons	26..658, 1268..1415, 1628..1703, 2020..2157, 2225..2308, 2475..2565, 3348..3432, 3535..3657		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102804	Strand	-
Start	1	End	4777
Name	OJ000125_05.0316.C9.o2.gp	Method	AAT/GAP
Start	417	End	1688
GI	3761532	Score	790
Exons	417..658, 1268..1415, 1628..1688		
GI Descrip.	4104931/gb|AAD02219.1| 2.0e-37 (AF042196) auxin response factor 8 [Arabidopsis thaliana]		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102804	Strand	-
Start	1	End	4777
Name	OJ000125_05.0316.C9.o3.gp	Method	AAT/GAP
Start	4520	End	4771
GI	uC-osflm202112h06b1	Score	204
Exons	4520..4587, 4698..4771		
GI Descrip.	'1174745/sp|P46225|TPIC_SECCE 8.0e-16 TRIOSEPHOSPHATE ISOMERASE, CHLOROPLAST PRECURSOR (TIM) >gi_1363523_pir__S53761 triose-phosphate isomerase (EC 5.3.1.1) precursor, chloroplast - rye >gi_609262_emb_CAA83533_ (Z32521) triosephosphate isomerase [Secale cereale] >gi_1095494_prf__2109226B triosephosphate isomerase [Secale cereale]'		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102805	Strand	-
Start	7175	End	10736
Name	OJ000125_05.0316.C9.o2.tm	Method	TBLASTX:Maize
Start	21	End	1392
GI	none	Score	262
Exons	21..239, 22..243, 56..658, 309..659, 397..663, 1265..1387, 1269..1388, 1269..1391, 1273..1392		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102805	Strand	-
Start	7175	End	10736

Name	OJ000125_05.0316.C9.o1.tc	Method	TBLASTX:Cress
Start	543	End	4317
GI	none	Score	154
Exons	543..611, 1266..1418, 1267..1416, 1625..1705, 1626..1703, 2018..2143, 2019..2144, 2019..2144, 2023..2145, 2224..2406, 2224..2403, 2228..2425, 2474..2566, 2475..2579, 2478..2573, 3343..3423, 3346..3432, 3347..3424, 3533..3700, 3535..3690, 3812..3877, 3813..3869, 3992..4093, 3993..4091, 4191..4316, 4204..4317		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102805	Strand	-
Start	7175	End	10736
Name	OJ000125_05.0316.C9.o2.ts	Method	TBLASTX:Soybean
Start	1269	End	2344
GI	none	Score	157
Exons	1269..1418, 1273..1416, 1322..1423, 1625..1705, 1626..1706, 2017..2145, 2018..2143, 2019..2144, 2224..2343, 2224..2343, 2228..2344		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102805	Strand	-
Start	7175	End	10736
Name	OJ000125_05.0316.C9.o3.tm	Method	TBLASTX:Maize
Start	1625	End	2409
GI	none	Score	73
Exons	1625..1705, 1626..1703, 2017..2127, 2019..2144, 2022..2126, 2026..2142, 2224..2409, 2225..2389		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102805	Strand	-
Start	7175	End	10736
Name	OJ000125_05.0316.C9.o1.tm	Method	TBLASTX:Maize
Start	2501	End	4317
GI	none	Score	87
Exons	2501..2566, 2502..2573, 3346..3432, 3347..3433, 3533..3700, 3533..3643, 3535..3690, 3807..3869, 3809..3877, 3985..4017, 3990..4058, 3992..4093, 3993..4091, 4191..4316, 4204..4317		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102805	Strand	-
Start	7175	End	10736
Name	OJ000125_05.0316.C9.o1.ts	Method	TBLASTX:Soybean
Start	3346	End	4075
GI	4306688	Score	88
Exons	3346..3432, 3347..3433, 3356..3436, 3524..3673, 3533..3688, 3535..3690, 3809..3871, 3810..3869, 3992..4075, 3993..4073		
GI Descrip.	-		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102805	Strand	-
Start	7175	End	10736
Name	OJ000125_05.0316.C9.o3.ts	Method	TBLASTX:Soybean
Start	4191	End	4317
GI	none	Score	149
Exons	4191..4316, 4204..4317		

Seq. No.	48282	Seq. ID	OJ000125_05.0316.C9
Gene No.	102805	Strand	-
Start	7175	End	10736
Name	OJ000125_05.0316.C9.o3.gs	Method	GENSCAN
Start	7175	End	10736
GI	none	Score	.69
Exons	7175..7397, 9938..10112, 10211..10332, 10396..10556, 10680..10736		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102806	Strand	-
Start	7091	End	10463
Name	OJ000125_05.0316.C10.o1.gp	Method	AAT/GAP
Start	7091	End	7546
GI	none	Score	861
Exons	7091..7546		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102806	Strand	-
Start	7091	End	10463
Name	OJ000125_05.0316.C10.o1.np	Method	AAT/NAP
Start	7432	End	10463
GI	6598459	Score	2435
Exons	7432..10463		
GI Descrip.	(AC005312) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102807	Strand	-
Start	10391	End	10851
Name	OJ000125_05.0316.C10.o2.gp	Method	AAT/GAP
Start	10391	End	10851
GI	none	Score	876
Exons	10391..10851		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102808	Strand	-
Start	11121	End	11253
Name	OJ000125_05.0316.C10.o3.gp	Method	AAT/GAP
Start	11121	End	11253
GI	LIB3474-009-P1-K1-F11	Score	221
Exons	11121..11253		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102809	Strand	-
Start	13126	End	18128
Name	OJ000125_05.0316.C10.o2.np	Method	AAT/NAP
Start	13126	End	18128
GI	226691	Score	263
Exons	13126..13203, 13592..13748, 14901..15132, 18101..18128		
GI Descrip.	RNA polymerase beta'-2 [Oryza sativa]		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102810	Strand	-
Start	22892	End	23609

Name	OJ000125_05.0316.C10.o4.gp	Method	AAT/GAP
Start	22892	End	23609
GI	none	Score	1024
Exons	22892..23075, 23168..23365, 23460..23609		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102811	Strand	-
Start	24141	End	24458
Name	OJ000125_05.0316.C10.o1.tm	Method	TBLASTX:Maize
Start	7411	End	7952
GI	none	Score	614
Exons	7411..7947, 7415..7948, 7432..7950, 7437..7949, 7443..7952		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102811	Strand	-
Start	24141	End	24458
Name	OJ000125_05.0316.C10.o1.ts	Method	TBLASTX:Soybean
Start	7561	End	8283
GI	none	Score	168
Exons	7561..8004, 7628..7960, 7996..8283, 8008..8229		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102811	Strand	-
Start	24141	End	24458
Name	OJ000125_05.0316.C10.o1.tw	Method	TBLASTX:Wheat
Start	7579	End	8019
GI	none	Score	219
Exons	7579..7623, 7642..7977, 7649..7897, 7969..8019, 7978..8019		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102811	Strand	-
Start	24141	End	24458
Name	OJ000125_05.0316.C10.o1.tc	Method	TBLASTX:Cress
Start	7645	End	10080
GI	none	Score	124
Exons	7645..7971, 7646..7954, 7996..8322, 8557..8682, 8566..8805, 8602..8883, 8611..8871, 8611..8868, 8612..8854, 8612..8704, 8614..8793, 8614..8874, 8614..8868, 8614..8868, 8614..8811, 8614..8871, 8614..8868, 8614..8874, 8615..8866, 8617..8871, 8617..8871, 8678..8770, 8683..8862, 8686..8862, 8687..8770, 8749..8856, 8834..8869, 8980..9210, 8980..9174, 8980..9201, 8986..9057, 8989..9210, 8992..9222, 8992..9201, 8992..9228, 8992..9228, 9013..9210, 9019..9210, 9073..9189, 9325..9942, 9331..9933, 9331..9738, 9340..10080, 9340..9726, 9371..9703, 9391..9942, 9392..9703, 9530..9715, 9538..10005, 9539..9718, 9598..10017, 9610..10017, 9658..9834, 9769..10020		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102811	Strand	-
Start	24141	End	24458
Name	OJ000125_05.0316.C10.o3.tw	Method	TBLASTX:Wheat
Start	8029	End	8295
GI	none	Score	67
Exons	8029..8295, 8084..8236		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102811	Strand	-

Start	24141	End	24458
Name	OJ000125_05.0316.C10.o3.tm	Method	TBLASTX:Maize
Start	8074	End	8344
GI	none	Score	63
Exons	8074..8343, 8079..8270, 8081..8344		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102811	Strand	-
Start	24141	End	24458
Name	OJ000125_05.0316.C10.o2.ts	Method	TBLASTX:Soybean
Start	8557	End	10020
GI	none	Score	85
Exons	8557..8868, 8567..8704, 8609..8773, 8611..8871, 8614..8868, 8614..8871, 8614..8868, 8614..8853, 8614..8853, 8614..8868, 8614..8937, 8632..8763, 8680..8868, 8959..9138, 8965..9210, 8980..9201, 8992..9228, 9019..9231, 9019..9174, 9019..9201, 9049..9168, 9250..9300, 9325..9705, 9331..9438, 9331..9918, 9340..9654, 9349..9468, 9388..9798, 9463..9837, 9544..9702, 9607..10014, 9676..9933, 9703..9828, 9772..9942, 9970..10020		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102811	Strand	-
Start	24141	End	24458
Name	OJ000125_05.0316.C10.o2.tw	Method	TBLASTX:Wheat
Start	8560	End	9726
GI	none	Score	58
Exons	8560..8913, 8588..8656, 9019..9234, 9463..9726		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102811	Strand	-
Start	24141	End	24458
Name	OJ000125_05.0316.C10.o2.tm	Method	TBLASTX:Maize
Start	8608	End	10020
GI	none	Score	199
Exons	8608..8763, 8617..8874, 8665..8868, 8677..8805, 8980..9231, 9340..9468, 9401..9613, 9415..9612, 9538..9837, 9581..9727, 9590..9727, 9616..9909, 9618..9731, 9777..9893, 9877..10020		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102811	Strand	-
Start	24141	End	24458
Name	OJ000125_05.0316.C10.o6.tm	Method	TBLASTX:Maize
Start	22935	End	24282
GI	none	Score	70
Exons	22935..23030, 22936..23043, 22940..23044, 23148..23279, 23473..23688, 23542..23676, 23674..23796, 23679..23798, 23680..23784, 23782..23904, 23787..23906, 23788..23892, 23890..24003, 23902..24000, 23998..24180, 23999..24172, 24212..24274, 24238..24282		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102811	Strand	-
Start	24141	End	24458
Name	OJ000125_05.0316.C10.o5.gp	Method	AAT/GAP
Start	24141	End	24458
GI	none	Score	570
Exons	24141..24458		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102812	Strand	
Start	25196	End	25545
Name	OJ000125_05.0316.C10.o4.tm	Method	TBLASTX:Maize
Start	25196	End	25545
GI	none	Score	114
Exons	25196..25285, 25197..25304, 25204..25302, 25402..25536, 25404..25538, 25405..25545		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102813	Strand	
Start	25875	End	27047
Name	OJ000125_05.0316.C10.o5.tm	Method	TBLASTX:Maize
Start	25875	End	27047
GI	none	Score	131
Exons	25875..26117, 25900..26142, 26265..26552, 26718..27047		

Seq. No.	48283	Seq. ID	OJ000125_05.0316.C10
Gene No.	102813	Strand	
Start	25875	End	27047
Name	OJ000125_05.0316.C10.o3.ts	Method	TBLASTX:Soybean
Start	25884	End	26921
GI	none	Score	109
Exons	25884..26132, 25899..26132, 25900..26139, 26212..26397, 26235..26444, 26730..26921		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102814	Strand	+
Start	11906	End	13670
Name	OJ000125_05.0316.C13.o8.gp	Method	AAT/GAP
Start	11856	End	13535
GI	20664_1.R1084	Score	851
Exons	11856..11957, 12045..12225, 13069..13210, 13331..13400, 13516..13535		
GI Descrip.	'4662633/gb|AAD26905.1|AC007267_5 2.0e-10 (AC007267) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102814	Strand	+
Start	11906	End	13670
Name	OJ000125_05.0316.C13.o3.gs	Method	GENSCAN
Start	11906	End	13670
GI	none	Score	.95
Exons	11906..11957, 12045..12225, 13069..13210, 13331..13400, 13516..13670		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102815	Strand	+
Start	16792	End	18134
Name	OJ000125_05.0316.C13.o2.np	Method	AAT/NAP
Start	16452	End	18100
GI	7485903	Score	495
Exons	16452..16559, 16987..17116, 17159..18100		
GI Descrip.	hypothetical protein F20O9.70 - Arabidopsis thaliana gi|2842481|emb|CAA16878.1| (AL021749) extensin-like protein [Arabidopsis thaliana] gi|7269692|emb|CAB79640.1| (AL161572)		

extensin-like protein [Arabidopsis thaliana]

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102815	Strand	+
Start	16792	End	18134
Name	OJ000125_05.0316.C13.o4.gs	Method	GENSCAN
Start	16792	End	18134
GI	none	Score	.99
Exons	16792..16875, 16890..18134		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102816	Strand	+
Start	22677	End	27233
Name	OJ000125_05.0316.C13.o6.gs	Method	GENSCAN
Start	22677	End	27233
GI	none	Score	.69
Exons	22677..22836, 22965..23040, 23385..23528, 23894..25123, 25219..27139, 27204..27233		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102816	Strand	+
Start	22677	End	27233
Name	OJ000125_05.0316.C13.o4.np	Method	AAT/NAP
Start	23862	End	27150
GI	6907089	Score	4942
Exons	23862..25123, 25219..27150		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102817	Strand	+
Start	34009	End	34582
Name	OJ000125_05.0316.C13.o6.np	Method	AAT/NAP
Start	34009	End	34582
GI	5922623	Score	128
Exons	34009..34083, 34458..34582		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102818	Strand	-
Start	667	End	3981
Name	OJ000125_05.0316.C13.o1.gp	Method	AAT/GAP
Start	667	End	2701
GI	1735_1.R1084	Score	1729
Exons	667..1191, 1875..2089, 2511..2701		
GI Descrip.	'2633727/emb|CAB13229| 1.0e-23 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102818	Strand	-
Start	667	End	3981
Name	OJ000125_05.0316.C13.o1.gs	Method	GENSCAN
Start	1017	End	3981
GI	none	Score	.89
Exons	1017..1191, 1875..2089, 2511..2712, 2792..2966, 3115..3424, 3510..3834, 3905..3981		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102818	Strand	-
Start	667	End	3981
Name	OJ000125_05.0316.C13.o1.np	Method	AAT/NAP
Start	1020	End	3682
GI	7475143	Score	403
Exons	1020..1191, 1875..1930, 1973..2089, 2538..2712, 2792..2966, 3118..3424, 3510..3682		
GI Descrip.	hypothetical protein ykrT - Bacillus subtilis gi|2633727|emb|CAB13229.1| (Z99111) ykrT [Bacillus subtilis]		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102818	Strand	-
Start	667	End	3981
Name	OJ000125_05.0316.C13.o2.gp	Method	AAT/GAP
Start	3243	End	3872
GI	26361_1.R1084	Score	1050
Exons	3243..3424, 3510..3872		
GI Descrip.	'2633727/emb|CAB13229| 7.0e-13 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102819	Strand	-
Start	6905	End	10595
Name	OJ000125_05.0316.C13.o3.gp	Method	AAT/GAP
Start	6793	End	7079
GI	1735_1.R1084	Score	509
Exons	6793..7079		
GI Descrip.	'2633727/emb|CAB13229| 1.0e-23 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102819	Strand	-
Start	6905	End	10595
Name	OJ000125_05.0316.C13.o4.gp	Method	AAT/GAP
Start	6904	End	7733
GI	1735_1.R1084	Score	730
Exons	6904..7079, 7518..7733		
GI Descrip.	'2633727/emb|CAB13229| 1.0e-23 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102819	Strand	-
Start	6905	End	10595
Name	OJ000125_05.0316.C13.o2.gs	Method	GENSCAN
Start	6905	End	10595
GI	none	Score	.72
Exons	6905..7079, 7518..7732, 8372..8573, 8651..8825, 8924..9233, 9331..9656, 10478..10595		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102819	Strand	-
Start	6905	End	10595
Name	OJ000125_05.0316.C13.o5.gp	Method	AAT/GAP
Start	7543	End	8564
GI	1735_1.R1084	Score	654

Exons	7543..7732, 8372..8564		
GI Descrip.	'2633727/emb|CAB13229| 1.0e-23 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102819	Strand	-
Start	6905	End	10595
Name	OJ000125_05.0316.C13.o6.gp	Method	AAT/GAP
Start	8617	End	9059
GI	none	Score	499
Exons	8617..8825, 8924..9059		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102819	Strand	-
Start	6905	End	10595
Name	OJ000125_05.0316.C13.o7.gp	Method	AAT/GAP
Start	9099	End	9659
GI	26361_1.R1084	Score	724
Exons	9099..9233, 9331..9659		
GI Descrip.	'2633727/emb|CAB13229| 7.0e-13 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102820	Strand	-
Start	18426	End	21828
Name	OJ000125_05.0316.C13.o9.gp	Method	AAT/GAP
Start	18426	End	21828
GI	559_1.R1084	Score	3372
Exons	18426..18755, 19066..19533, 19610..19750, 19847..20085, 21215..21828		
GI Descrip.	'129232/sp|P25777|ORYB_ORYSA 0.0e+00 ORYZAIN BETA CHAIN PRECURSOR >gi_67645_pir__KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice >gi_218183_dbj_BAA14403_ (D90407) oryzain beta precursor [Oryza sativa]'		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102820	Strand	-
Start	18426	End	21828
Name	OJ000125_05.0316.C13.o3.np	Method	AAT/NAP
Start	18674	End	21701
GI	129232	Score	2365
Exons	18674..18755, 19066..19533, 19610..19750, 19847..20085, 21215..21701		
GI Descrip.	ORYZAIN BETA CHAIN PRECURSOR gi|67645|pir||KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice gi|218183|dbj|BAA14403.1| (D90407) oryzain beta precursor [Oryza sativa]		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102820	Strand	-
Start	18426	End	21828
Name	OJ000125_05.0316.C13.o5.gs	Method	GENSCAN
Start	18690	End	21701
GI	none	Score	.78
Exons	18690..18755, 19066..19533, 19610..19750, 19847..20061, 21215..21701		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13

Gene No.	102821	Strand	-
Start	27781	End	33931
Name	OJ000125_05.0316.C13.o5.np	Method	AAT/NAP
Start	27781	End	33931
GI	7228457	Score	9570
Exons	27781..29331, 29398..30548, 30671..31504, 31568..33503, 33565..33931		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o2.tm	Method	TBLASTX:Maize
Start	1013	End	9505
GI	none	Score	154
Exons	1013..1192, 1016..1141, 1017..1193, 1018..1194, 1869..2090, 1869..2090, 1874..2092, 2024..2092, 2510..2710, 2511..2711, 2511..2711, 2512..2715, 2516..2719, 2789..2944, 2791..2967, 2792..2968, 2880..2969, 3116..3427, 3117..3425, 3167..3427, 3268..3468, 3510..3611, 3511..3588, 3606..3683, 3643..3684, 6900..7079, 6905..7081, 6906..7082, 7510..7734, 7517..7735, 7518..7739, 8372..8572, 8373..8576, 8377..8580, 8650..8826, 8651..8827, 8921..8992, 8924..8992, 8925..9236, 8926..9234, 8976..9236, 9092..9238, 9148..9255, 9331..9408, 9332..9409, 9451..9504, 9452..9505		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o7.ts	Method	TBLASTX:Soybean
Start	1029	End	30120
GI	none	Score	79
Exons	1029..1199, 1047..1193, 1048..1194, 6917..7087, 6935..7081, 6936..7082, 29950..30120		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o4.tc	Method	TBLASTX:Cress
Start	1035	End	7730
GI	none	Score	107
Exons	1035..1193, 1051..1203, 1869..2084, 1870..2085, 1870..2085, 1874..2086, 1878..2087, 6923..7081, 6939..7091, 6945..7082, 7516..7728, 7517..7729, 7518..7727, 7521..7730		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o2.ts	Method	TBLASTX:Soybean
Start	1982	End	9074
GI	none	Score	81
Exons	1982..2092, 1983..2090, 2482..2715, 2511..2714, 2515..2718, 2654..2719, 2790..2966, 2792..2971, 2794..2967, 3119..3265, 3129..3260, 7625..7735, 7626..7739, 8343..8576, 8372..8575, 8376..8579, 8651..8830, 8653..8826, 8928..9074, 8938..9069		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o2.tc	Method	TBLASTX:Cress
Start	3212	End	9501
GI	none	Score	203
Exons	3212..3427, 3213..3452, 3510..3599, 3511..3588, 3609..3680, 9021..9236, 9022..9234, 9057..9236, 9331..9408, 9332..9409, 9451..9501, 9452..9496		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o4.ts	Method	TBLASTX:Soybean
Start	3266	End	9501
GI	none	Score	131
Exons	3266..3427, 3267..3425, 3269..3427, 3510..3680, 3511..3678, 9075..9236, 9076..9234, 9078..9236, 9331..9501, 9332..9499		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o3.tm	Method	TBLASTX:Maize
Start	12040	End	13696
GI	none	Score	220
Exons	12040..12225, 12041..12226, 13061..13210, 13065..13211, 13067..13222, 13324..13404, 13330..13401, 13356..13490, 13512..13670, 13514..13684, 13517..13696		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o5.tc	Method	TBLASTX:Cress
Start	16976	End	17297
GI	none	Score	112
Exons	16976..17080, 16983..17093, 17118..17168, 17169..17297, 17177..17296		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o8.tm	Method	TBLASTX:Maize
Start	17223	End	17404
GI	none	Score	269
Exons	17223..17399, 17228..17404		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o3.ts	Method	TBLASTX:Soybean
Start	17237	End	17999
GI	none	Score	81
Exons	17237..17302, 17238..17303, 17316..17603, 17321..17383, 17618..17902, 17619..17891, 17901..17999		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13

Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o10.tw	Method	TBLASTX:Wheat
Start	17286	End	17714
GI	none	Score	60
Exons	17286..17393, 17441..17713, 17445..17714, 17502..17624		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o4.tm	Method	TBLASTX:Maize
Start	17483	End	18008
GI	none	Score	348
Exons	17483..17833, 17484..17834, 17658..17840, 17901..18008, 17901..18005		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o3.tc	Method	TBLASTX:Cress
Start	17528	End	17897
GI	none	Score	88
Exons	17528..17611, 17535..17609, 17618..17833, 17622..17834, 17637..17813, 17847..17897		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o1.tm	Method	TBLASTX:Maize
Start	18633	End	21651
GI	none	Score	39
Exons	18633..18695, 18679..18756, 18680..18757, 19069..19254, 19071..19262, 19315..19533, 19316..19534, 19610..19750, 19610..19750, 19847..20086, 19848..20087, 19848..20087, 21196..21255, 21213..21287, 21282..21329, 21298..21315, 21321..21413, 21331..21399, 21414..21497, 21436..21519, 21519..21542, 21522..21572, 21564..21629, 21583..21651		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o9.tw	Method	TBLASTX:Wheat
Start	18705	End	19232
GI	none	Score	94
Exons	18705..18755, 19054..19227, 19065..19232		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o1.tc	Method	TBLASTX:Cress
Start	19068	End	21644
GI	none	Score	51
Exons	19068..19235, 19072..19245, 19307..19471, 19315..19533, 19316..19534, 19599..19748, 19608..19748, 19610..19750, 19610..19750, 19844..19972, 19848..19997, 19848..19955, 19856..19969, 19976..20086, 19980..20087, 21213..21323, 21327..21410, 21340..21393, 21429..21578, 21436..21495,		

21597..21644, 21598..21639

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o1.ts	Method	TBLASTX:Soybean
Start	19072	End	21644
GI	none	Score	52
Exons	19072..19251, 19074..19169, 19148..19252, 19315..19380, 19316..19381, 19381..19539, 19384..19527, 19406..19555, 19610..19750, 19626..19748, 19645..19749, 19844..19975, 19847..19975, 19848..20015, 19979..20086, 19980..20087, 21211..21252, 21213..21323, 21321..21410, 21328..21396, 21423..21497, 21436..21498, 21600..21644		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o6.tw	Method	TBLASTX:Wheat
Start	19393	End	21494
GI	none	Score	61
Exons	19393..19455, 19393..19491, 19465..19545, 19637..19735, 19856..19969, 19985..20083, 21222..21290, 21351..21410, 21423..21494		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o10.tm	Method	TBLASTX:Maize
Start	27778	End	27921
GI	none	Score	129
Exons	27778..27921, 27782..27916		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o8.tw	Method	TBLASTX:Wheat
Start	27790	End	28369
GI	none	Score	75
Exons	27790..27915, 27794..27916, 27976..28344, 28108..28368, 28109..28366, 28109..28369		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o4.tw	Method	TBLASTX:Wheat
Start	28373	End	28774
GI	none	Score	171
Exons	28373..28672, 28393..28773, 28432..28773, 28718..28774		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o6.tm	Method	TBLASTX:Maize
Start	28588	End	28911
GI	none	Score	214
Exons	28588..28911, 28601..28882		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o11.tw	Method	TBLASTX:Wheat
Start	29104	End	29416
GI	none	Score	64
Exons	29104..29373, 29240..29416		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o6.ts	Method	TBLASTX:Soybean
Start	29164	End	29730
GI	5666795	Score	68
Exons	29164..29370, 29419..29556, 29632..29730		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o5.tw	Method	TBLASTX:Wheat
Start	29419	End	29877
GI	none	Score	78
Exons	29419..29568, 29420..29557, 29602..29853, 29603..29788, 29623..29877		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o5.ts	Method	TBLASTX:Soybean
Start	30378	End	30847
GI	none	Score	80
Exons	30378..30419, 30477..30707, 30704..30847, 30705..30830		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o2.tw	Method	TBLASTX:Wheat
Start	30507	End	30926
GI	none	Score	117
Exons	30507..30713, 30514..30687, 30695..30925, 30696..30926		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o7.tm	Method	TBLASTX:Maize
Start	30600	End	30983
GI	none	Score	198
Exons	30600..30710, 30698..30982, 30699..30983		

Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o5.tm	Method	TBLASTX:Maize
Start	31010	End	31366
GI	none	Score	124

Exons	31010..31315, 31010..31366, 31020..31331		
Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o1.tw	Method	TBLASTX:Wheat
Start	31034	End	31497
GI	none	Score	227
Exons	31034..31495, 31040..31495, 31041..31496, 31054..31497		
Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o8.ts	Method	TBLASTX:Soybean
Start	31091	End	31456
GI	none	Score	113
Exons	31091..31225, 31232..31456		
Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o3.tw	Method	TBLASTX:Wheat
Start	31661	End	32147
GI	none	Score	173
Exons	31661..32146, 31692..31952, 31974..32147		
Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o7.tw	Method	TBLASTX:Wheat
Start	32885	End	33437
GI	none	Score	86
Exons	32885..33142, 32964..33158, 33125..33223, 33126..33218, 33230..33277, 33402..33437		
Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o9.tm	Method	TBLASTX:Maize
Start	32987	End	33272
GI	none	Score	92
Exons	32987..33235, 32988..33272		
Seq. No.	48284	Seq. ID	OJ000125_05.0316.C13
Gene No.	102822	Strand	-
Start	34159	End	34582
Name	OJ000125_05.0316.C13.o7.np	Method	AAT/NAP
Start	34159	End	34582
GI	5042454	Score	202
Exons	34159..34212, 34437..34582		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	48285	Seq. ID	OJ000125_05.0316.C14
Gene No.	102823	Strand	+
Start	328	End	1009
Name	OJ000125_05.0316.C14.o1.gs	Method	GENSCAN
Start	328	End	1009

GI	none	Score	.62
Exons	328..496, 823..1009		

Seq. No.	48285	Seq. ID	OJ000125_05.0316.C14
Gene No.	102824	Strand	+
Start	2453	End	2605
Name	OJ000125_05.0316.C14.o2.gs	Method	GENSCAN
Start	2453	End	2599
GI	none	Score	.44
Exons	2453..2599		

Seq. No.	48285	Seq. ID	OJ000125_05.0316.C14
Gene No.	102824	Strand	+
Start	2453	End	2605
Name	OJ000125_05.0316.C14.o2.np	Method	AAT/NAP
Start	2453	End	2605
GI	7106513	Score	271
Exons	2453..2605		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	48285	Seq. ID	OJ000125_05.0316.C14
Gene No.	102825	Strand	-
Start	1	End	643
Name	OJ000125_05.0316.C14.o1.np	Method	AAT/NAP
Start	1	End	643
GI	7106512	Score	138
Exons	1..31, 432..510, 584..643		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48285	Seq. ID	OJ000125_05.0316.C14
Gene No.	102826	Strand	-
Start	1667	End	3188
Name	OJ000125_05.0316.C14.o3.np	Method	AAT/NAP
Start	1667	End	3188
GI	7248395	Score	415
Exons	1667..1763, 2779..3188		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48286	Seq. ID	OJ000125_05.0316.C15
Gene No.	102827	Strand	-
Start	1	End	801
Name	OJ000125_05.0316.C15.o1.np	Method	AAT/NAP
Start	1	End	801
GI	7106512	Score	1023
Exons	1..801		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48286	Seq. ID	OJ000125_05.0316.C15
Gene No.	102827	Strand	-
Start	1	End	801
Name	OJ000125_05.0316.C15.o1.gs	Method	GENSCAN
Start	273	End	689
GI	none	Score	.94
Exons	273..689		

Seq. No.	48287	Seq. ID	OJ991122_16.0419.C3
Gene No.	102828	Strand	+
Start	49	End	324
Name	OJ991122_16.0419.C3.o1.gs	Method	GENSCAN
Start	49	End	324
GI	none	Score	.78
Exons	49..324		

Seq. No.	48288	Seq. ID	OJ991122_16.0419.C4
Gene No.	102829	Strand	+
Start	600	End	1657
Name	OJ991122_16.0419.C4.o1.np	Method	AAT/NAP
Start	600	End	1657
GI	7248394	Score	1601
Exons	600..1248, 1292..1657		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	48288	Seq. ID	OJ991122_16.0419.C4
Gene No.	102829	Strand	+
Start	600	End	1657
Name	OJ991122_16.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	699	End	1061
GI	none	Score	197
Exons	699..1061, 767..1045		

Seq. No.	48289	Seq. ID	OJ991122_16.0419.C5
Gene No.	102830	Strand	+
Start	341	End	612
Name	OJ991122_16.0419.C5.o1.gs	Method	GENSCAN
Start	341	End	612
GI	none	Score	.53
Exons	341..612		

Seq. No.	48290	Seq. ID	OJ991122_16.0419.C7
Gene No.	102831	Strand	+
Start	1	End	426
Name	OJ991122_16.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	423
GI	7248399	Score	712
Exons	1..423		
GI Descrip.	(AP001389) Similar to Arabidopsis thaliana Skp1 homolog (AF059295) [Oryza sativa]		

Seq. No.	48290	Seq. ID	OJ991122_16.0419.C7
Gene No.	102831	Strand	+
Start	1	End	426
Name	OJ991122_16.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	3	End	423
GI	none	Score	56
Exons	3..68, 4..69, 75..140, 76..195, 154..423, 246..422		

Seq. No.	48290	Seq. ID	OJ991122_16.0419.C7
Gene No.	102831	Strand	+

Start	1	End	426
Name	OJ991122_16.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	4	End	423
GI	none	Score	55
Exons	4..69, 75..140, 76..156, 142..423, 309..422		

Seq. No.	48290	Seq. ID	OJ991122_16.0419.C7
Gene No.	102831	Strand	+
Start	1	End	426
Name	OJ991122_16.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	7	End	423
GI	none	Score	39
Exons	7..69, 73..150, 75..140, 175..423, 282..422		

Seq. No.	48290	Seq. ID	OJ991122_16.0419.C7
Gene No.	102831	Strand	+
Start	1	End	426
Name	OJ991122_16.0419.C7.o1.gs	Method	GENSCAN
Start	19	End	426
GI	none	Score	.94
Exons	19..426		

Seq. No.	48291	Seq. ID	OJ991122_16.0419.C9
Gene No.	102832	Strand	+
Start	50	End	222
Name	OJ991122_16.0419.C9.o1.gs	Method	GENSCAN
Start	50	End	222
GI	none	Score	.47
Exons	50..222		

Seq. No.	48292	Seq. ID	OJ991122_16.0419.C13
Gene No.	102833	Strand	-
Start	1	End	711
Name	OJ991122_16.0419.C13.o1.np	Method	AAT/NAP
Start	1	End	711
GI	7248390	Score	197
Exons	1..176, 654..711		
GI Descrip.	(AP001389) ESTs AU033035(S1515),D39871(S1515) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F22D22 genomic sequence; putative glucan synthase (AC006223) [Oryza sativa]		

Seq. No.	48292	Seq. ID	OJ991122_16.0419.C13
Gene No.	102833	Strand	-
Start	1	End	711
Name	OJ991122_16.0419.C13.o1.tw	Method	TBLASTX:Wheat
Start	1	End	326
GI	none	Score	114
Exons	1..141, 2..142, 3..167, 72..152, 235..285, 240..326, 244..288		

Seq. No.	48293	Seq. ID	OJ991122_16.0419.C15
Gene No.	102834	Strand	-
Start	1	End	846
Name	OJ991122_16.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	846
GI	7248395	Score	1348
Exons	1..846		

GI Descrip. (AP001389) hypothetical protein [Oryza sativa]

Seq. No.	48293	Seq. ID	OJ991122_16.0419.C15
Gene No.	102834	Strand	-
Start	1	End	846
Name	OJ991122_16.0419.C15.o1.gs	Method	GENSCAN
Start	77	End	760
GI	none	Score	.93
Exons	77..188, 194..760		

Seq. No.	48294	Seq. ID	OJ991122_16.0419.C16
Gene No.	102835	Strand	-
Start	1	End	910
Name	OJ991122_16.0419.C16.o1.np	Method	AAT/NAP
Start	1	End	910
GI	7248390	Score	681
Exons	1..162, 306..426, 539..699, 792..910		
GI Descrip.	(AP001389) ESTs AU033035(S1515),D39871(S1515) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F22D22 genomic sequence; putative glucan synthase (AC006223) [Oryza sativa]		

Seq. No.	48294	Seq. ID	OJ991122_16.0419.C16
Gene No.	102835	Strand	-
Start	1	End	910
Name	OJ991122_16.0419.C16.o1.gp	Method	AAT/GAP
Start	49	End	867
GI	62196_1.R1084	Score	757
Exons	49..162, 306..426, 539..699, 792..867		
GI Descrip.	'4588012/gb|AAD25952.1|AF085717_1 3.0e-33 (AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]'		

Seq. No.	48294	Seq. ID	OJ991122_16.0419.C16
Gene No.	102835	Strand	-
Start	1	End	910
Name	OJ991122_16.0419.C16.o1.gs	Method	GENSCAN
Start	65	End	699
GI	none	Score	.9
Exons	65..162, 306..426, 539..699		

Seq. No.	48294	Seq. ID	OJ991122_16.0419.C16
Gene No.	102835	Strand	-
Start	1	End	910
Name	OJ991122_16.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	333	End	840
GI	none	Score	119
Exons	333..425, 334..426, 335..430, 517..675, 533..742, 539..676, 678..701, 789..839, 792..839, 793..840		

Seq. No.	48294	Seq. ID	OJ991122_16.0419.C16
Gene No.	102835	Strand	-
Start	1	End	910
Name	OJ991122_16.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	375	End	824
GI	none	Score	45
Exons	375..425, 376..426, 517..696, 539..727, 789..824		

Seq. No.	48295	Seq. ID	OJ991122_16.0419.C21
Gene No.	102836	Strand	-
Start	1	End	939
Name	OJ991122_16.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	939
GI	4588012	Score	144
Exons	1..107, 209..305, 912..939		
GI Descrip.	(AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	48296	Seq. ID	OJ991122_16.0419.C23
Gene No.	102837	Strand	+
Start	1	End	809
Name	OJ991122_16.0419.C23.o1.np	Method	AAT/NAP
Start	1	End	809
GI	7248390	Score	93
Exons	1..28, 86..165, 787..809		
GI Descrip.	(AP001389) ESTs AU033035(S1515),D39871(S1515) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F22D22 genomic sequence; putative glucan synthase (AC006223) [Oryza sativa]		

Seq. No.	48296	Seq. ID	OJ991122_16.0419.C23
Gene No.	102838	Strand	-
Start	42	End	151
Name	OJ991122_16.0419.C23.o1.gs	Method	GENSCAN
Start	42	End	151
GI	none	Score	.44
Exons	42..151		

Seq. No.	48297	Seq. ID	OJ991122_16.0419.C26
Gene No.	102839	Strand	+
Start	550	End	773
Name	OJ991122_16.0419.C26.o1.np	Method	AAT/NAP
Start	550	End	773
GI	7248395	Score	377
Exons	550..773		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48297	Seq. ID	OJ991122_16.0419.C26
Gene No.	102840	Strand	-
Start	101	End	702
Name	OJ991122_16.0419.C26.o1.gs	Method	GENSCAN
Start	101	End	702
GI	none	Score	.5
Exons	101..198, 576..702		

Seq. No.	48298	Seq. ID	OJ991122_16.0419.C27
Gene No.	102841	Strand	+
Start	1	End	1457
Name	OJ991122_16.0419.C27.o1.np	Method	AAT/NAP
Start	1	End	1457
GI	4539658	Score	199
Exons	1..56, 99..279, 1406..1457		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	48298	Seq. ID	OJ991122_16.0419.C27
Gene No.	102841	Strand	+
Start	1	End	1457
Name	OJ991122_16.0419.C27.o1.gs	Method	GENSCAN
Start	146	End	1348
GI	none	Score	.91
Exons	146..148, 614..688, 1013..1348		

Seq. No.	48298	Seq. ID	OJ991122_16.0419.C27
Gene No.	102841	Strand	+
Start	1	End	1457
Name	OJ991122_16.0419.C27.o1.gp	Method	AAT/GAP
Start	292	End	534
GI	LIB3475-004-P1-K2-A5	Score	398
Exons	292..534		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	48298	Seq. ID	OJ991122_16.0419.C27
Gene No.	102841	Strand	+
Start	1	End	1457
Name	OJ991122_16.0419.C27.o1.tm	Method	TBLASTX:Maize
Start	321	End	559
GI	none	Score	99
Exons	321..437, 322..438, 335..439, 439..555, 441..554, 442..558, 443..559		

Seq. No.	48298	Seq. ID	OJ991122_16.0419.C27
Gene No.	102841	Strand	+
Start	1	End	1457
Name	OJ991122_16.0419.C27.o3.np	Method	AAT/NAP
Start	594	End	1457
GI	7248395	Score	1409
Exons	594..1351, 1386..1457		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48299	Seq. ID	OJ991122_16.0419.C28
Gene No.	102842	Strand	+
Start	1	End	1190
Name	OJ991122_16.0419.C28.o1.np	Method	AAT/NAP
Start	1	End	1190
GI	7248395	Score	1627
Exons	1..281, 479..1190		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48300	Seq. ID	OJ991122_16.0419.C31
Gene No.	102843	Strand	+
Start	337	End	456
Name	OJ991122_16.0419.C31.o1.gs	Method	GENSCAN
Start	337	End	456
GI	none	Score	.5
Exons	337..456		

Seq. No.	48300	Seq. ID	OJ991122_16.0419.C31
Gene No.	102844	Strand	-
Start	1525	End	1674
Name	OJ991122_16.0419.C31.o1.np	Method	AAT/NAP

Start	1525	End	1674
GI	7340920	Score	124
Exons	1525..1674		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	48301	Seq. ID	OJ991122_16.0419.C32
Gene No.	102845	Strand	+
Start	895	End	900
Name	OJ991122_16.0419.C32.o1.gs	Method	GENSCAN
Start	895	End	900
GI	none	Score	.77
Exons	895..900		

Seq. No.	48302	Seq. ID	OJ991122_16.0419.C34
Gene No.	102846	Strand	-
Start	1	End	1342
Name	OJ991122_16.0419.C34.o1.np	Method	AAT/NAP
Start	1	End	1342
GI	7248390	Score	568
Exons	1..129, 261..341, 434..549, 1254..1342		
GI Descrip.	(AP001389) ESTs AU033035(S1515),D39871(S1515) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F22D22 genomic sequence; putative glucan synthase (AC006223) [Oryza sativa]		

Seq. No.	48302	Seq. ID	OJ991122_16.0419.C34
Gene No.	102846	Strand	-
Start	1	End	1342
Name	OJ991122_16.0419.C34.o1.tm	Method	TBLASTX:Maize
Start	1	End	550
GI	none	Score	99
Exons	1..132, 12..131, 248..343, 270..344, 270..344, 434..550, 434..544, 436..549		

Seq. No.	48302	Seq. ID	OJ991122_16.0419.C34
Gene No.	102846	Strand	-
Start	1	End	1342
Name	OJ991122_16.0419.C34.o1.ts	Method	TBLASTX:Soybean
Start	12	End	1341
GI	none	Score	122
Exons	12..131, 16..129, 269..343, 270..344, 275..346, 282..344, 434..550, 436..549, 441..551, 442..552, 1252..1341, 1252..1317, 1254..1340		

Seq. No.	48302	Seq. ID	OJ991122_16.0419.C34
Gene No.	102846	Strand	-
Start	1	End	1342
Name	OJ991122_16.0419.C34.o1.gs	Method	GENSCAN
Start	17	End	549
GI	none	Score	.46
Exons	17..129, 261..341, 434..549		

Seq. No.	48302	Seq. ID	OJ991122_16.0419.C34
Gene No.	102846	Strand	-
Start	1	End	1342
Name	OJ991122_16.0419.C34.o1.tc	Method	TBLASTX:Cress
Start	21	End	1337

GI	none	Score	73
Exons	21..131, 37..129, 266..319, 270..317, 434..550, 436..552, 436..549, 1242..1337, 1252..1335		

Seq. No.	48303	Seq. ID	OJ991122_16.0419.C36
Gene No.	102847	Strand	+
Start	709	End	790
Name	OJ991122_16.0419.C36.o1.gs	Method	GENSCAN
Start	709	End	790
GI	none	Score	.81
Exons	709..790		

Seq. No.	48304	Seq. ID	OJ991122_16.0419.C37
Gene No.	102848	Strand	+
Start	227	End	1083
Name	OJ991122_16.0419.C37.o1.gs	Method	GENSCAN
Start	227	End	1017
GI	none	Score	.46
Exons	227..233, 761..1017		

Seq. No.	48304	Seq. ID	OJ991122_16.0419.C37
Gene No.	102848	Strand	+
Start	227	End	1083
Name	OJ991122_16.0419.C37.o1.np	Method	AAT/NAP
Start	785	End	1083
GI	7248398	Score	409
Exons	785..879, 910..1083		
GI Descrip.	(AP001389) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F28A23; kinetochore (SKP1p) - like protein (AL021961) [Oryza sativa]		

Seq. No.	48305	Seq. ID	OJ991122_16.0419.C39
Gene No.	102849	Strand	-
Start	113	End	538
Name	OJ991122_16.0419.C39.o1.gs	Method	GENSCAN
Start	113	End	538
GI	none	Score	.66
Exons	113..538		

Seq. No.	48305	Seq. ID	OJ991122_16.0419.C39
Gene No.	102849	Strand	-
Start	113	End	538
Name	OJ991122_16.0419.C39.o1.np	Method	AAT/NAP
Start	116	End	538
GI	7248391	Score	678
Exons	116..538		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48306	Seq. ID	OJ991122_16.0419.C41
Gene No.	102850	Strand	+
Start	469	End	2799
Name	OJ991122_16.0419.C41.o2.np	Method	AAT/NAP
Start	469	End	2799
GI	5295955	Score	97
Exons	469..607, 2686..2799		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	48306	Seq. ID	OJ991122_16.0419.C41
Gene No.	102851	Strand	-
Start	1	End	81
Name	OJ991122_16.0419.C41.o1.np	Method	AAT/NAP
Start	1	End	81
GI	7248396	Score	65
Exons	1..81		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48306	Seq. ID	OJ991122_16.0419.C41
Gene No.	102852	Strand	-
Start	677	End	2521
Name	OJ991122_16.0419.C41.o1.gs	Method	GENSCAN
Start	677	End	2521
GI	none	Score	.58
Exons	677..787, 1214..1384, 1511..1552, 1685..1825, 2516..2521		

Seq. No.	48306	Seq. ID	OJ991122_16.0419.C41
Gene No.	102852	Strand	-
Start	677	End	2521
Name	OJ991122_16.0419.C41.o1.gp	Method	AAT/GAP
Start	2006	End	2119
GI	uC-osflcyp088b12b1	Score	156
Exons	2006..2119		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	48307	Seq. ID	OJ991122_16.0419.C43
Gene No.	102853	Strand	-
Start	1	End	461
Name	OJ991122_16.0419.C43.o1.np	Method	AAT/NAP
Start	1	End	461
GI	7248393	Score	757
Exons	1..461		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48307	Seq. ID	OJ991122_16.0419.C43
Gene No.	102853	Strand	-
Start	1	End	461
Name	OJ991122_16.0419.C43.o1.gs	Method	GENSCAN
Start	155	End	461
GI	none	Score	.6
Exons	155..461		

Seq. No.	48308	Seq. ID	OJ991122_10.0419.C5
Gene No.	102854	Strand	-
Start	1	End	1469
Name	OJ991122_10.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	1469
GI	7485231	Score	355
Exons	1..21, 316..1469		
GI Descrip.	hypothetical protein A_IG002N01.30 - Arabidopsis thaliana (fragment) gi|2191151|gb|AAB61038.1| (AF007269) contains similarity to membrane associated salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	48308	Seq. ID	OJ991122_10.0419.C5
Gene No.	102854	Strand	-
Start	1	End	1469
Name	OJ991122_10.0419.C5.o1.gs	Method	GENSCAN
Start	283	End	1374
GI	none	Score	.9
Exons	283..1374		

Seq. No.	48308	Seq. ID	OJ991122_10.0419.C5
Gene No.	102854	Strand	-
Start	1	End	1469
Name	OJ991122_10.0419.C5.o2.ts	Method	TBLASTX:Soybean
Start	463	End	828
GI	none	Score	106
Exons	463..783, 490..828, 503..802		

Seq. No.	48308	Seq. ID	OJ991122_10.0419.C5
Gene No.	102854	Strand	-
Start	1	End	1469
Name	OJ991122_10.0419.C5.o1.tc	Method	TBLASTX:Cress
Start	490	End	763
GI	none	Score	102
Exons	490..762, 503..763		

Seq. No.	48308	Seq. ID	OJ991122_10.0419.C5
Gene No.	102854	Strand	-
Start	1	End	1469
Name	OJ991122_10.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	490	End	771
GI	none	Score	201
Exons	490..771		

Seq. No.	48308	Seq. ID	OJ991122_10.0419.C5
Gene No.	102854	Strand	-
Start	1	End	1469
Name	OJ991122_10.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	1043	End	1467
GI	none	Score	98
Exons	1043..1198, 1045..1467, 1063..1209		

Seq. No.	48309	Seq. ID	OJ991122_10.0419.C11
Gene No.	102855	Strand	+
Start	26	End	593
Name	OJ991122_10.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	2	End	303
GI	none	Score	305
Exons	2..301, 4..303, 157..303		

Seq. No.	48309	Seq. ID	OJ991122_10.0419.C11
Gene No.	102855	Strand	+
Start	26	End	593
Name	OJ991122_10.0419.C11.o1.tc	Method	TBLASTX:Cress
Start	5	End	325
GI	none	Score	194
Exons	5..325, 121..315		

Seq. No.	48309	Seq. ID	OJ991122_10.0419.C11

Gene No.	102855	Strand	+
Start	26	End	593
Name	OJ991122_10.0419.C11.o1.gs	Method	GENSCAN
Start	26	End	593
GI	none	Score	.65
Exons	26..448, 534..593		

Seq. No.	48310	Seq. ID	OJ991122_10.0419.C12
Gene No.	102856	Strand	+
Start	1	End	1652
Name	OJ991122_10.0419.C12.o1.np	Method	AAT/NAP
Start	1	End	1652
GI	7487328	Score	79
Exons	1..71, 1357..1459, 1629..1652		
GI Descrip.	hypothetical protein T22A6.300 - Arabidopsis thaliana gi|5051789|emb|CAB45082.1| (AL078637) putative protein [Arabidopsis thaliana] gi|7269297|emb|CAB79357.1| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	48310	Seq. ID	OJ991122_10.0419.C12
Gene No.	102857	Strand	-
Start	1465	End	1530
Name	OJ991122_10.0419.C12.o2.gs	Method	GENSCAN
Start	1465	End	1530
GI	none	Score	.64
Exons	1465..1530		

Seq. No.	48311	Seq. ID	OJ991122_10.0419.C13
Gene No.	102858	Strand	-
Start	1	End	1817
Name	OJ991122_10.0419.C13.o1.gp	Method	AAT/GAP
Start	1	End	831
GI	uC-osroM202022c08b1	Score	721
Exons	1..27, 75..127, 209..270, 339..449, 528..693, 803..831		
GI Descrip.	'1800223 2.0e-31 (U65018) mannosyltransferase [Dictyostelium discoideum]'		

Seq. No.	48311	Seq. ID	OJ991122_10.0419.C13
Gene No.	102858	Strand	-
Start	1	End	1817
Name	OJ991122_10.0419.C13.o1.np	Method	AAT/NAP
Start	75	End	1817
GI	7300314	Score	310
Exons	75..127, 209..270, 339..449, 528..572, 632..693, 803..955, 1119..1197, 1312..1424, 1504..1639, 1784..1817		
GI Descrip.	(AE003719) CG18012 gene product [Drosophila melanogaster]		

Seq. No.	48311	Seq. ID	OJ991122_10.0419.C13
Gene No.	102858	Strand	-
Start	1	End	1817
Name	OJ991122_10.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	75	End	846
GI	none	Score	89
Exons	75..128, 76..129, 77..127, 198..272, 206..280, 337..450, 338..463, 342..461, 546..617, 546..617, 621..692, 623..697, 624..716, 802..846, 826..846		

Seq. No.	48311	Seq. ID	OJ991122_10.0419.C13
Gene No.	102858	Strand	-
Start	1	End	1817
Name	OJ991122_10.0419.C13.o1.tc	Method	TBLASTX:Cress
Start	77	End	427
GI	none	Score	59
Exons	77..127, 78..128, 198..272, 206..280, 337..426, 338..427		

Seq. No.	48311	Seq. ID	OJ991122_10.0419.C13
Gene No.	102858	Strand	-
Start	1	End	1817
Name	OJ991122_10.0419.C13.o1.ts	Method	TBLASTX:Soybean
Start	89	End	692
GI	none	Score	64
Exons	89..127, 90..128, 198..272, 206..280, 337..450, 338..451, 526..552, 546..692, 585..692		

Seq. No.	48311	Seq. ID	OJ991122_10.0419.C13
Gene No.	102858	Strand	-
Start	1	End	1817
Name	OJ991122_10.0419.C13.o1.gs	Method	GENSCAN
Start	510	End	1635
GI	none	Score	.51
Exons	510..693, 803..982, 1312..1401, 1487..1635		

Seq. No.	48311	Seq. ID	OJ991122_10.0419.C13
Gene No.	102858	Strand	-
Start	1	End	1817
Name	OJ991122_10.0419.C13.o2.tm	Method	TBLASTX:Maize
Start	847	End	1206
GI	none	Score	93
Exons	847..915, 997..1059, 1005..1061, 1131..1190, 1131..1193, 1132..1197, 1132..1206		

Seq. No.	48311	Seq. ID	OJ991122_10.0419.C13
Gene No.	102858	Strand	-
Start	1	End	1817
Name	OJ991122_10.0419.C13.o3.tm	Method	TBLASTX:Maize
Start	1519	End	1663
GI	none	Score	190
Exons	1519..1653, 1520..1663		

Seq. No.	48312	Seq. ID	OJ991122_10.0419.C15
Gene No.	102859	Strand	+
Start	490	End	1212
Name	OJ991122_10.0419.C15.o1.gs	Method	GENSCAN
Start	490	End	1212
GI	none	Score	.92
Exons	490..659, 759..1212		

Seq. No.	48313	Seq. ID	OJ991122_10.0419.C16
Gene No.	102860	Strand	-
Start	326	End	858
Name	OJ991122_10.0419.C16.o1.gs	Method	GENSCAN
Start	326	End	858
GI	none	Score	.79
Exons	326..450, 777..858		

Seq. No.	48314	Seq. ID	OJ991122_10.0419.C18
Gene No.	102861	Strand	-
Start	353	End	1029
Name	OJ991122_10.0419.C18.o1.gp	Method	AAT/GAP
Start	353	End	925
GI	none	Score	1131
Exons	353..925		

Seq. No.	48314	Seq. ID	OJ991122_10.0419.C18
Gene No.	102861	Strand	-
Start	353	End	1029
Name	OJ991122_10.0419.C18.o1.gs	Method	GENSCAN
Start	748	End	1029
GI	none	Score	.96
Exons	748..1029		

Seq. No.	48315	Seq. ID	OJ991122_10.0419.C19
Gene No.	102862	Strand	-
Start	17	End	401
Name	OJ991122_10.0419.C19.o1.gs	Method	GENSCAN
Start	17	End	401
GI	none	Score	.82
Exons	17..76, 266..401		

Seq. No.	48316	Seq. ID	OJ991122_10.0419.C21
Gene No.	102863	Strand	-
Start	1	End	1750
Name	OJ991122_10.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	1750
GI	4680341	Score	245
Exons	1..42, 1259..1309, 1566..1750		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	48316	Seq. ID	OJ991122_10.0419.C21
Gene No.	102863	Strand	-
Start	1	End	1750
Name	OJ991122_10.0419.C21.o1.gs	Method	GENSCAN
Start	18	End	1736
GI	none	Score	.68
Exons	18..220, 253..281, 1576..1736		

Seq. No.	48316	Seq. ID	OJ991122_10.0419.C21
Gene No.	102863	Strand	-
Start	1	End	1750
Name	OJ991122_10.0419.C21.o1.tw	Method	TBLASTX:Wheat
Start	1297	End	1704
GI	none	Score	38
Exons	1297..1335, 1319..1357, 1329..1355, 1333..1368, 1333..1362, 1442..1507, 1443..1508, 1443..1532, 1444..1512, 1577..1630, 1578..1637, 1578..1688, 1579..1689, 1630..1704		

Seq. No.	48317	Seq. ID	OJ991122_10.0419.C33
Gene No.	102864	Strand	+
Start	402	End	557
Name	OJ991122_10.0419.C33.o1.gs	Method	GENSCAN
Start	402	End	557

GI	none	Score	.61
Exons	402..407, 492..557		

Seq. No.	48318	Seq. ID	OJ991122_10.0419.C34
Gene No.	102865	Strand	+
Start	468	End	711
Name	OJ991122_10.0419.C34.o1.gp	Method	AAT/GAP
Start	468	End	711
GI	none	Score	488
Exons	468..711		

Seq. No.	48318	Seq. ID	OJ991122_10.0419.C34
Gene No.	102865	Strand	+
Start	468	End	711
Name	OJ991122_10.0419.C34.o1.gs	Method	GENSCAN
Start	556	End	691
GI	none	Score	.5
Exons	556..691		

Seq. No.	48319	Seq. ID	OJ991122_10.0419.C36
Gene No.	102866	Strand	+
Start	1	End	590
Name	OJ991122_10.0419.C36.o1.gp	Method	AAT/GAP
Start	1	End	590
GI	28094_2.R1084	Score	1135
Exons	1..590		
GI Descrip.	'3075394 5.0e-35 (AC004484) putative beta-ketoacyl-CoA synthase [Arabidopsis thaliana] >gi_3559809_emb_CAA09311_ (AJ010713) fiddlehead protein [Arabidopsis thaliana]'		

Seq. No.	48319	Seq. ID	OJ991122_10.0419.C36
Gene No.	102866	Strand	+
Start	1	End	590
Name	OJ991122_10.0419.C36.o1.np	Method	AAT/NAP
Start	1	End	321
GI	7484963	Score	310
Exons	1..321		
GI Descrip.	fatty acid elongase 1 - Arabidopsis thaliana gi|881615|gb|AAA70154.1| (U29142) fatty acid elongase 1 [Arabidopsis thaliana] gi|3096921|emb|CAA18831.1| (AL023094) fatty acid elongase 1 [Arabidopsis thaliana] gi|7270402|emb|CAB80169.1| (AL161585) fatty acid elongase 1 [Arabidopsis thaliana]		

Seq. No.	48319	Seq. ID	OJ991122_10.0419.C36
Gene No.	102867	Strand	-
Start	13	End	313
Name	OJ991122_10.0419.C36.o1.tm	Method	TBLASTX:Maize
Start	7	End	313
GI	none	Score	286
Exons	7..183, 10..177, 60..278, 238..279, 242..313		

Seq. No.	48319	Seq. ID	OJ991122_10.0419.C36
Gene No.	102867	Strand	-
Start	13	End	313
Name	OJ991122_10.0419.C36.o1.tc	Method	TBLASTX:Cress
Start	10	End	183

GI	none	Score	240
Exons	10..183, 66..176, 88..177		
Seq. No.	48319	Seq. ID	OJ991122_10.0419.C36
Gene No.	102867	Strand	-
Start	13	End	313
Name	OJ991122_10.0419.C36.o1.ts	Method	TBLASTX:Soybean
Start	10	End	288
GI	none	Score	242
Exons	10..183, 60..176, 238..288		
Seq. No.	48319	Seq. ID	OJ991122_10.0419.C36
Gene No.	102867	Strand	-
Start	13	End	313
Name	OJ991122_10.0419.C36.o1.gs	Method	GENSCAN
Start	13	End	269
GI	none	Score	.49
Exons	13..269		
Seq. No.	48319	Seq. ID	OJ991122_10.0419.C36
Gene No.	102867	Strand	-
Start	13	End	313
Name	OJ991122_10.0419.C36.o1.tw	Method	TBLASTX:Wheat
Start	55	End	183
GI	none	Score	199
Exons	55..183, 60..176, 88..177		
Seq. No.	48320	Seq. ID	OJ991122_10.0419.C38
Gene No.	102868	Strand	-
Start	2433	End	2583
Name	OJ991122_10.0419.C38.o1.gs	Method	GENSCAN
Start	2433	End	2583
GI	none	Score	.92
Exons	2433..2583		
Seq. No.	48321	Seq. ID	OJ991122_10.0419.C39
Gene No.	102869	Strand	+
Start	105	End	226
Name	OJ991122_10.0419.C39.o1.gs	Method	GENSCAN
Start	105	End	226
GI	none	Score	.78
Exons	105..226		
Seq. No.	48322	Seq. ID	OJ991122_10.0419.C40
Gene No.	102870	Strand	+
Start	1	End	1224
Name	OJ991122_10.0419.C40.o1.np	Method	AAT/NAP
Start	1	End	1137
GI	4335773	Score	355
Exons	1..277, 408..484, 616..783, 835..1137		
GI Descrip.	(AC006284) unknown protein [Arabidopsis thaliana]		
Seq. No.	48322	Seq. ID	OJ991122_10.0419.C40
Gene No.	102870	Strand	+
Start	1	End	1224
Name	OJ991122_10.0419.C40.o1.gs	Method	GENSCAN
Start	73	End	1224

GI	none	Score	1
Exons	73..277, 408..484, 649..1224		

Seq. No.	48322	Seq. ID	OJ991122_10.0419.C40
Gene No.	102871	Strand	+
Start	2630	End	4131
Name	OJ991122_10.0419.C40.o2.gs	Method	GENSCAN
Start	2630	End	4131
GI	none	Score	.41
Exons	2630..2684, 2744..2784, 2838..2955, 3219..3313, 3804..3901, 4008..4131		

Seq. No.	48322	Seq. ID	OJ991122_10.0419.C40
Gene No.	102872	Strand	+
Start	4915	End	8196
Name	OJ991122_10.0419.C40.o3.gs	Method	GENSCAN
Start	4915	End	8196
GI	none	Score	1
Exons	4915..8196		

Seq. No.	48322	Seq. ID	OJ991122_10.0419.C40
Gene No.	102872	Strand	+
Start	4915	End	8196
Name	OJ991122_10.0419.C40.o2.np	Method	AAT/NAP
Start	4996	End	8165
GI	6862939	Score	1905
Exons	4996..8165		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		

Seq. No.	48322	Seq. ID	OJ991122_10.0419.C40
Gene No.	102873	Strand	-
Start	8280	End	9771
Name	OJ991122_10.0419.C40.o2.ts	Method	TBLASTX:Soybean
Start	148	End	487
GI	none	Score	138
Exons	148..297, 189..353, 404..484, 409..480, 419..487		

Seq. No.	48322	Seq. ID	OJ991122_10.0419.C40
Gene No.	102873	Strand	-
Start	8280	End	9771
Name	OJ991122_10.0419.C40.o3.ts	Method	TBLASTX:Soybean
Start	6805	End	7011
GI	none	Score	187
Exons	6805..7011, 6813..7007		

Seq. No.	48322	Seq. ID	OJ991122_10.0419.C40
Gene No.	102873	Strand	-
Start	8280	End	9771
Name	OJ991122_10.0419.C40.o1.ts	Method	TBLASTX:Soybean
Start	7669	End	8151
GI	none	Score	228
Exons	7669..7869, 7671..7871, 7873..8040, 7878..7955, 8095..8151		

Seq. No.	48322	Seq. ID	OJ991122_10.0419.C40
Gene No.	102873	Strand	-
Start	8280	End	9771
Name	OJ991122_10.0419.C40.o3.np	Method	AAT/NAP

Start	8280	End	9771
GI	4006891	Score	202
Exons	8280..8336, 9518..9771		
GI Descrip.	(Z99708) putative protein [Arabidopsis thaliana] gi|7270627|emb|CAB80344.1| (AL161590) putative protein [Arabidopsis thaliana]		

Seq. No.	48322	Seq. ID	OJ991122_10.0419.C40
Gene No.	102873	Strand	-
Start	8280	End	9771
Name	OJ991122_10.0419.C40.o4.gs	Method	GENSCAN
Start	8758	End	9720
GI	none	Score	.87
Exons	8758..8913, 9532..9720		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102874	Strand	+
Start	11431	End	20146
Name	OJ991122_10.0419.C41.o3.gs	Method	GENSCAN
Start	11431	End	20146
GI	none	Score	.66
Exons	11431..11486, 12108..12215, 12942..13039, 13155..13213, 14187..14540, 14622..14710, 15171..15258, 15701..16009, 16472..16651, 16755..16806, 16854..16993, 17139..17250, 17596..17708, 17830..17979, 18445..18600, 18957..19073, 19427..19507, 20006..20146		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102874	Strand	+
Start	11431	End	20146
Name	OJ991122_10.0419.C41.o3.np	Method	AAT/NAP
Start	12184	End	20143
GI	7486768	Score	2059
Exons	12184..12233, 12939..13039, 13390..13532, 14088..14540, 14625..14710, 15171..15258, 15328..15403, 15527..15576, 15701..16022, 16446..16651, 16755..16993, 17139..17250, 17599..17708, 17830..17955, 18445..18600, 18957..19073, 19427..19633, 20006..20143		
GI Descrip.	hypothetical protein L23H3.30 - Arabidopsis thaliana gi|4914452|emb|CAB43692.1| (AL050398) putative protein [Arabidopsis thaliana] gi|7270159|emb|CAB79972.1| (AL161581) putative protein [Arabidopsis thaliana]		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102874	Strand	+
Start	11431	End	20146
Name	OJ991122_10.0419.C41.o1.gp	Method	AAT/GAP
Start	17625	End	18589
GI	3107449	Score	525
Exons	17625..17708, 17830..17979, 18445..18589		
GI Descrip.	2914703 1.0e-25 (AC003974) unknown protein [Arabidopsis thaliana]		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102875	Strand	+
Start	22439	End	24805
Name	OJ991122_10.0419.C41.o4.np	Method	AAT/NAP

Start	22424	End	24805
GI	7305619	Score	559
Exons	22424..22534, 22633..22813, 23336..23454, 23516..23852, 24654..24805		
GI Descrip.	ubiquitin specific protease 5 (isopeptidase T) gi|3024764|sp|P56399|UBP5_MOUSE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 5 (UBIQUITIN THIOLESTERASE 5) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 5) (DEUBIQUITINATING ENZYME 5) (ISOPEPTIDASE T) gi|3287373|gb|AAC36015.1| (AC002397) ISOT [Mus musculus]		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102875	Strand	+
Start	22439	End	24805
Name	OJ991122_10.0419.C41.o4.gs	Method	GENSCAN
Start	22439	End	23947
GI	none	Score	.82
Exons	22439..22534, 22606..22813, 23336..23448, 23522..23947		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102875	Strand	+
Start	22439	End	24805
Name	OJ991122_10.0419.C41.o2.gp	Method	AAT/GAP
Start	23539	End	24051
GI	65628_1.R1084	Score	621
Exons	23539..23858, 24010..24051		
GI Descrip.	'3024764/sp|P56399|UBP1_MOUSE 1.0e-45 UBIQUITIN CARBOXYL-TERMINAL HYDROLASE T (UBIQUITIN THIOLESTERASE T) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE T) (DEUBIQUITINATING ENZYME T) (ISOPEPTIDASE T) >gi_3287373 (AC002397) ISOT [Mus musculus]'		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o2.np	Method	AAT/NAP
Start	1064	End	24805
GI	7340868	Score	207
Exons	1064..1210, 2728..2817, 6684..6864, 14766..14799, 24602..24805		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o1.np	Method	AAT/NAP
Start	5266	End	6571
GI	6815099	Score	87
Exons	5266..5385, 6518..6571		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o2.gs	Method	GENSCAN
Start	6791	End	10511
GI	none	Score	.79
Exons	6791..7059, 7164..7208, 7926..8053, 8508..8577, 10394..10511		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o4.tm	Method	TBLASTX:Maize
Start	12904	End	13502
GI	none	Score	144
Exons	12904..13038, 12921..13037, 12943..13038, 12944..13063, 13361..13501, 13389..13502		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o2.ts	Method	TBLASTX:Soybean
Start	13380	End	13520
GI	none	Score	201
Exons	13380..13520, 13388..13498, 13392..13499		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o4.tc	Method	TBLASTX:Cress
Start	13388	End	13517
GI	none	Score	196
Exons	13388..13498, 13389..13517, 13392..13517		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o3.tc	Method	TBLASTX:Cress
Start	17133	End	18573
GI	none	Score	73
Exons	17133..17201, 17601..17711, 17603..17710, 17827..17979, 17829..17972, 18447..18563, 18448..18573		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o1.tm	Method	TBLASTX:Maize
Start	17577	End	17979
GI	none	Score	177
Exons	17577..17711, 17588..17710, 17765..17974, 17799..17978, 17827..17979, 17827..17979		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o1.ts	Method	TBLASTX:Soybean
Start	17872	End	20068
GI	none	Score	171
Exons	17872..17979, 17874..17978, 18426..18599, 18448..18600, 18451..18606, 18956..19060, 18957..19058, 19415..19651, 19420..19632, 20003..20068		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o3.tm	Method	TBLASTX:Maize

Start	18426	End	20160
GI	none	Score	71
Exons	18426..18602, 18450..18578, 18451..18603, 18451..18609, 18960..19064, 18974..19066, 19421..19648, 19423..19629, 20003..20047, 20028..20114, 20032..20091, 20095..20160, 20117..20146		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o2.tc	Method	TBLASTX:Cress
Start	18984	End	20091
GI	none	Score	78
Exons	18984..19055, 19421..19651, 19423..19632, 20003..20071, 20005..20091		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o2.tm	Method	TBLASTX:Maize
Start	22453	End	23641
GI	none	Score	143
Exons	22453..22533, 22454..22534, 22620..22742, 22621..22770, 22633..22770, 22741..22818, 22768..22818, 23331..23450, 23332..23451, 23332..23448, 23519..23641, 23519..23641		

Seq. No.	48323	Seq. ID	OJ991122_10.0419.C41
Gene No.	102876	Strand	-
Start	1064	End	24805
Name	OJ991122_10.0419.C41.o1.tc	Method	TBLASTX:Cress
Start	22454	End	23394
GI	none	Score	104
Exons	22454..22534, 22465..22533, 22620..22745, 22621..22770, 22648..22776, 22777..22818, 23332..23394		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102877	Strand	+
Start	6590	End	11947
Name	OJ991122_10.0419.C42.o3.gs	Method	GENSCAN
Start	6590	End	11947
GI	none	Score	.51
Exons	6590..6656, 6722..6759, 8053..8915, 9045..9627, 11469..11570, 11882..11947		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102877	Strand	+
Start	6590	End	11947
Name	OJ991122_10.0419.C42.o3.np	Method	AAT/NAP
Start	8135	End	9654
GI	4415922	Score	834
Exons	8135..9654		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102878	Strand	+
Start	16132	End	16464
Name	OJ991122_10.0419.C42.o4.gs	Method	GENSCAN

Start	16132	End	16464
GI	none	Score	.53
Exons	16132..16464		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102879	Strand	+
Start	25739	End	30191
Name	OJ991122_10.0419.C42.o7.np	Method	AAT/NAP
Start	25739	End	29896
GI	5103843	Score	1974
Exons	25739..25861, 25963..26045, 26160..26352, 26434..26572, 26647..26812, 27419..27585, 27710..27883, 28257..28352, 28442..28546, 28828..29171, 29336..29615, 29727..29896		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102879	Strand	+
Start	25739	End	30191
Name	OJ991122_10.0419.C42.o8.gs	Method	GENSCAN
Start	26276	End	30191
GI	none	Score	.86
Exons	26276..26352, 26434..26572, 27710..27883, 28442..28558, 28849..29132, 29336..29603, 29720..29848, 30132..30191		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102880	Strand	-
Start	1	End	57
Name	OJ991122_10.0419.C42.o1.gp	Method	AAT/GAP
Start	1	End	57
GI	2312486	Score	114
Exons	1..57		
GI Descrip.	4415923/gb|AAD20154| 1.0e-14 (AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102881	Strand	-
Start	1304	End	3082
Name	OJ991122_10.0419.C42.o1.gs	Method	GENSCAN
Start	1304	End	3082
GI	none	Score	.89
Exons	1304..2297, 2571..3082		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102881	Strand	-
Start	1304	End	3082
Name	OJ991122_10.0419.C42.o1.np	Method	AAT/NAP
Start	1307	End	3044
GI	4415920	Score	998
Exons	1307..2297, 2571..3044		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102882	Strand	-
Start	4133	End	6337
Name	OJ991122_10.0419.C42.o2.gs	Method	GENSCAN
Start	4133	End	6337

GI	none	Score	.95
Exons	4133..5126, 5835..6337		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102882	Strand	-
Start	4133	End	6337
Name	OJ991122_10.0419.C42.o2.np	Method	AAT/NAP
Start	4136	End	6316
GI	4415924	Score	1036
Exons	4136..5111, 5818..6316		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102883	Strand	-
Start	7298	End	7391
Name	OJ991122_10.0419.C42.o2.gp	Method	AAT/GAP
Start	7298	End	7391
GI	uC-osf1cyp022c06b2	Score	143
Exons	7298..7391		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102884	Strand	-
Start	16305	End	22514
Name	OJ991122_10.0419.C42.o4.np	Method	AAT/NAP
Start	16305	End	18221
GI	5091499	Score	102
Exons	16305..16511, 18179..18221		
GI Descrip.	(AB023482) Similar to Human mRNA for alpha 1 (III) collagen fragment (aa 892-1023).(X01655) [Oryza sativa]		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102884	Strand	-
Start	16305	End	22514
Name	OJ991122_10.0419.C42.o5.gs	Method	GENSCAN
Start	17057	End	19252
GI	none	Score	.91
Exons	17057..17236, 17729..17777, 17872..18045, 18153..18838, 18840..18982, 19056..19196, 19213..19252		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102884	Strand	-
Start	16305	End	22514
Name	OJ991122_10.0419.C42.o5.np	Method	AAT/NAP
Start	17345	End	22514
GI	4680203	Score	1995
Exons	17345..17443, 19545..21234, 22467..22514		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102884	Strand	-
Start	16305	End	22514
Name	OJ991122_10.0419.C42.o4.gp	Method	AAT/GAP
Start	19547	End	21230
GI	342_1.R1084	Score	2743
Exons	19547..21230		

GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102884	Strand	-
Start	16305	End	22514
Name	OJ991122_10.0419.C42.o6.gs	Method	GENSCAN
Start	19576	End	21044
GI	none	Score	.5
Exons	19576..20084, 20219..21044		
Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102884	Strand	-
Start	16305	End	22514
Name	OJ991122_10.0419.C42.o5.gp	Method	AAT/GAP
Start	21095	End	21720
GI	2310235	Score	303
Exons	21095..21234, 21683..21720		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o2.tm	Method	TBLASTX:Maize
Start	1310	End	4437
GI	none	Score	332
Exons	1310..1606, 1311..1607, 4138..4293, 4139..4429, 4139..4432, 4333..4437		
Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o4.tw	Method	TBLASTX:Wheat
Start	1493	End	9378
GI	none	Score	179
Exons	1493..1768, 1554..1775, 1796..1873, 4322..4597, 4362..4589, 4397..4603, 4625..4702, 9084..9122, 9085..9138, 9169..9378, 9234..9371		
Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o1.ts	Method	TBLASTX:Soybean
Start	1505	End	9468
GI	none	Score	254
Exons	1505..1774, 1506..1778, 1761..2054, 1772..2053, 1781..2068, 2048..2164, 2057..2167, 4334..4603, 4335..4583, 4601..4999, 4638..4868, 4911..4997, 8998..9141, 9006..9134, 9163..9468, 9225..9347		
Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o1.tc	Method	TBLASTX:Cress
Start	1541	End	9363
GI	none	Score	128

Exons	1541..1738, 1542..1727, 1596..1742, 1814..1987, 1818..2012, 2003..2140, 2603..2686, 4370..4567, 4371..4556, 4643..4816, 5867..5965, 8997..9122, 8998..9138, 9220..9363, 9237..9347		
Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o5.tm	Method	TBLASTX:Maize
Start	1610	End	9363
GI	none	Score	120
Exons	1610..1783, 1611..1784, 1811..1957, 4439..4612, 4440..4583, 4442..4603, 4640..4792, 8998..9138, 9184..9363, 9196..9363		
Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o6.ts	Method	TBLASTX:Soybean
Start	2645	End	8553
GI	none	Score	116
Exons	2645..2683, 2748..3011, 2762..3013, 5912..5992, 6011..6190, 6015..6122, 6200..6301, 6201..6278, 8179..8430, 8485..8553		
Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o5.tc	Method	TBLASTX:Cress
Start	2696	End	8232
GI	none	Score	88
Exons	2696..3025, 2715..3011, 5981..6190, 5982..6182, 6200..6298, 6206..6277, 8167..8232		
Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o3.tw	Method	TBLASTX:Wheat
Start	2735	End	8430
GI	none	Score	233
Exons	2735..3016, 2741..3016, 2907..3026, 5999..6196, 6003..6197, 6197..6304, 6203..6274, 8170..8430		
Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o7.tm	Method	TBLASTX:Maize
Start	2787	End	8403
GI	none	Score	133
Exons	2787..3011, 2789..3016, 6051..6197, 6053..6196, 6197..6289, 6198..6278, 8169..8231, 8170..8232, 8335..8403		
Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o7.ts	Method	TBLASTX:Soybean
Start	19738	End	19980
GI	none	Score	212
Exons	19738..19980		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o4.tm	Method	TBLASTX:Maize
Start	19810	End	20255
GI	none	Score	99
Exons	19810..20004, 20014..20139, 20133..20255		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o1.tw	Method	TBLASTX:Wheat
Start	19844	End	20312
GI	none	Score	170
Exons	19844..20050, 19849..20052, 19849..20073, 20053..20139, 20054..20140, 20154..20258, 20158..20247, 20259..20312, 20260..20304		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o4.tc	Method	TBLASTX:Cress
Start	20133	End	20448
GI	none	Score	74
Exons	20133..20441, 20161..20256, 20296..20448		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o3.ts	Method	TBLASTX:Soybean
Start	20181	End	20610
GI	none	Score	119
Exons	20181..20477, 20199..20423, 20472..20534, 20527..20610, 20535..20609		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o2.tw	Method	TBLASTX:Wheat
Start	20531	End	20927
GI	none	Score	202
Exons	20531..20773, 20541..20792, 20542..20784, 20549..20791, 20775..20927, 20789..20908		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o7.gs	Method	GENSCAN
Start	22650	End	24493
GI	none	Score	.4
Exons	22650..23074, 23146..23257, 23346..23441, 23446..23555, 24063..24233, 24421..24493		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102885	Strand	-
Start	22650	End	24511
Name	OJ991122_10.0419.C42.o6.np	Method	AAT/NAP

Start	23146	End	24511
GI	2281641	Score	111
Exons	23146..23393, 24334..24511		
GI Descrip.	(AF003101) AP2 domain containing protein RAP2.8 [Arabidopsis thaliana]		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102886	Strand	
Start	25754	End	26673
Name	OJ991122_10.0419.C42.o1.tm	Method	TBLASTX:Maize
Start	25754	End	26572
GI	none	Score	100
Exons	25754..25861, 25776..25907, 25958..26056, 25960..26043, 26156..26353, 26158..26349, 26434..26571, 26435..26572		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102886	Strand	
Start	25754	End	26673
Name	OJ991122_10.0419.C42.o4.ts	Method	TBLASTX:Soybean
Start	26156	End	26487
GI	none	Score	157
Exons	26156..26266, 26158..26265, 26159..26266, 26221..26352, 26227..26352, 26252..26353, 26432..26485, 26434..26487		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102886	Strand	
Start	25754	End	26673
Name	OJ991122_10.0419.C42.o3.tc	Method	TBLASTX:Cress
Start	26161	End	26673
GI	none	Score	245
Exons	26161..26352, 26177..26353, 26192..26362, 26434..26571, 26435..26572, 26641..26673		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102887	Strand	
Start	26637	End	29842
Name	OJ991122_10.0419.C42.o5.ts	Method	TBLASTX:Soybean
Start	26637	End	27808
GI	none	Score	194
Exons	26637..26813, 26644..26817, 27415..27579, 27417..27590, 27418..27585, 27671..27808, 27721..27807		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102887	Strand	
Start	26637	End	29842
Name	OJ991122_10.0419.C42.o7.tc	Method	TBLASTX:Cress
Start	27415	End	27588
GI	none	Score	90
Exons	27415..27588, 27417..27521, 27418..27588		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102887	Strand	
Start	26637	End	29842
Name	OJ991122_10.0419.C42.o6.tm	Method	TBLASTX:Maize
Start	27504	End	28959
GI	none	Score	126
Exons	27504..27587, 27505..27585, 27671..27886, 27715..27900,		

28255..28350, 28256..28351, 28257..28355, 28257..28352,
28418..28558, 28442..28585, 28846..28956, 28848..28958,
28849..28959

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102887	Strand	
Start	26637	End	29842
Name	OJ991122_10.0419.C42.o6.tc	Method	TBLASTX:Cress
Start	27671	End	28352
GI	none	Score	220
Exons	27671..27883, 27715..27879, 28260..28352, 28268..28345		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102887	Strand	
Start	26637	End	29842
Name	OJ991122_10.0419.C42.o2.ts	Method	TBLASTX:Soybean
Start	27827	End	29842
GI	none	Score	88
Exons	27827..27883, 28250..28345, 28251..28346, 28442..28561, 28448..28546, 28837..28917, 28848..28916, 28894..29172, 28926..29132, 29333..29533, 29334..29591, 29418..29582, 29765..29842		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102887	Strand	
Start	26637	End	29842
Name	OJ991122_10.0419.C42.o2.tc	Method	TBLASTX:Cress
Start	28899	End	29506
GI	none	Score	342
Exons	28899..29153, 28906..29172, 28933..29172, 29327..29458, 29334..29459, 29462..29506		

Seq. No.	48324	Seq. ID	OJ991122_10.0419.C42
Gene No.	102887	Strand	
Start	26637	End	29842
Name	OJ991122_10.0419.C42.o3.tm	Method	TBLASTX:Maize
Start	28960	End	29567
GI	none	Score	341
Exons	28960..29172, 28962..29150, 28964..29185, 29330..29536, 29333..29533, 29532..29567		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102888	Strand	+
Start	877	End	14353
Name	OJ991122_10.0419.C43.o1.gs	Method	GENSCAN
Start	877	End	14353
GI	none	Score	.63
Exons	877..1196, 2149..2219, 3440..3545, 3689..3878, 5695..5813, 7204..7396, 8747..8937, 9789..9964, 10237..10429, 10512..10650, 10725..10890, 11447..11613, 11742..11915, 12386..12481, 12571..12687, 12983..13305, 13469..13736, 13853..13981, 14294..14353		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102888	Strand	+
Start	877	End	14353
Name	OJ991122_10.0419.C43.o1.np	Method	AAT/NAP

Start	9805	End	14031
GI	5103843	Score	1967
Exons	9805..9923, 10041..10123, 10237..10429, 10512..10650, 10725..10890, 11447..11613, 11742..11915, 12386..12481, 12571..12675, 12962..13305, 13469..13746, 13858..14031		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102889	Strand	+
Start	18420	End	21053
Name	OJ991122_10.0419.C43.o1.gp	Method	AAT/GAP
Start	18381	End	20258
GI	63383_1.R1084	Score	1162
Exons	18381..18465, 18570..18623, 19294..19464, 19567..19698, 20031..20258		
GI Descrip.	'3320122 6.0e-14 (U46007) espin [Rattus norvegicus]'		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102889	Strand	+
Start	18420	End	21053
Name	OJ991122_10.0419.C43.o3.gs	Method	GENSCAN
Start	18420	End	21053
GI	none	Score	.63
Exons	18420..18465, 18570..18623, 19294..19464, 19567..19698, 20031..20170, 20982..21053		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102890	Strand	-
Start	15401	End	16825
Name	OJ991122_10.0419.C43.o2.gs	Method	GENSCAN
Start	15401	End	16825
GI	none	Score	.84
Exons	15401..16825		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102891	Strand	-
Start	21566	End	21637
Name	OJ991122_10.0419.C43.o1.tm	Method	TBLASTX:Maize
Start	9816	End	10650
GI	none	Score	115
Exons	9816..9923, 10036..10134, 10038..10121, 10233..10430, 10235..10426, 10236..10430, 10495..10647, 10512..10649, 10513..10650		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102891	Strand	-
Start	21566	End	21637
Name	OJ991122_10.0419.C43.o1.tc	Method	TBLASTX:Cress
Start	10238	End	10754
GI	none	Score	243
Exons	10238..10429, 10254..10430, 10269..10439, 10512..10649, 10513..10650, 10719..10754, 10724..10753		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102891	Strand	-
Start	21566	End	21637

Name	OJ991122_10.0419.C43.o2.ts	Method	TBLASTX:Soybean
Start	10359	End	10883
GI	none	Score	89
Exons	10359..10430, 10370..10429, 10512..10649, 10513..10650, 10719..10883, 10724..10882		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102891	Strand	-
Start	21566	End	21637
Name	OJ991122_10.0419.C43.o3.ts	Method	TBLASTX:Soybean
Start	11433	End	11858
GI	none	Score	89
Exons	11433..11639, 11443..11640, 11445..11639, 11446..11640, 11629..11667, 11739..11858, 11753..11857		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102891	Strand	-
Start	21566	End	21637
Name	OJ991122_10.0419.C43.o4.tc	Method	TBLASTX:Cress
Start	11443	End	11616
GI	none	Score	82
Exons	11443..11502, 11444..11614, 11445..11576, 11446..11616, 11530..11616		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102891	Strand	-
Start	21566	End	21637
Name	OJ991122_10.0419.C43.o3.tm	Method	TBLASTX:Maize
Start	11532	End	13093
GI	none	Score	125
Exons	11532..11615, 11533..11613, 11535..11615, 11739..11918, 11741..11932, 12385..12480, 12386..12484, 12386..12481, 12548..12673, 12550..12687, 12573..12674, 12580..12687, 12980..13090, 12982..13092, 12983..13093		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102891	Strand	-
Start	21566	End	21637
Name	OJ991122_10.0419.C43.o3.tc	Method	TBLASTX:Cress
Start	11707	End	12481
GI	none	Score	72
Exons	11707..11892, 11717..11893, 11718..11915, 11738..11932, 12389..12481, 12397..12474		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102891	Strand	-
Start	21566	End	21637
Name	OJ991122_10.0419.C43.o1.ts	Method	TBLASTX:Soybean
Start	11859	End	13975
GI	none	Score	88
Exons	11859..11915, 12379..12474, 12380..12475, 12576..12692, 12577..12708, 12971..13051, 12982..13050, 13028..13306, 13060..13275, 13463..13654, 13466..13666, 13467..13724, 13551..13715, 13895..13975		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102891	Strand	-

Start	21566	End	21637
Name	OJ991122_10.0419.C43.o2.tc	Method	TBLASTX:Cress
Start	13033	End	13592
GI	none	Score	341
Exons	13033..13287, 13040..13306, 13067..13306, 13099..13329, 13460..13591, 13467..13592		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102891	Strand	-
Start	21566	End	21637
Name	OJ991122_10.0419.C43.o2.tm	Method	TBLASTX:Maize
Start	13094	End	13700
GI	none	Score	343
Exons	13094..13306, 13096..13284, 13098..13319, 13439..13669, 13466..13666, 13665..13700		

Seq. No.	48325	Seq. ID	OJ991122_10.0419.C43
Gene No.	102891	Strand	-
Start	21566	End	21637
Name	OJ991122_10.0419.C43.o4.gs	Method	GENSCAN
Start	21566	End	21637
GI	none	Score	.92
Exons	21566..21637		

Seq. No.	48326	Seq. ID	OJ991122_10.0419.C46
Gene No.	102892	Strand	-
Start	1	End	305
Name	OJ991122_10.0419.C46.o1.np	Method	AAT/NAP
Start	1	End	302
GI	4335773	Score	136
Exons	1..49, 125..302		
GI Descrip.	(AC006284) unknown protein [Arabidopsis thaliana]		

Seq. No.	48326	Seq. ID	OJ991122_10.0419.C46
Gene No.	102892	Strand	-
Start	1	End	305
Name	OJ991122_10.0419.C46.o1.gs	Method	GENSCAN
Start	125	End	305
GI	none	Score	.75
Exons	125..305		

Seq. No.	48327	Seq. ID	OJ991122_10.0419.C47
Gene No.	102893	Strand	+
Start	482	End	524
Name	OJ991122_10.0419.C47.o1.gs	Method	GENSCAN
Start	482	End	524
GI	none	Score	.63
Exons	482..524		

Seq. No.	48328	Seq. ID	OJ991122_10.0419.C48
Gene No.	102894	Strand	+
Start	155	End	670
Name	OJ991122_10.0419.C48.o1.gs	Method	GENSCAN
Start	155	End	670
GI	none	Score	.46
Exons	155..198, 565..670		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102895	Strand	+
Start	4763	End	11276
Name	OJ991122_10.0419.C49.o1.gp	Method	AAT/GAP
Start	4763	End	5268
GI	uC-osrocyp011d03b1	Score	1008
Exons	4763..5268		
GI Descrip.	'4415922/gb|AAD20153| 9.0e-38 (AC006282) putative glucosyl transferase [Arabidopsis thaliana]'		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102895	Strand	+
Start	4763	End	11276
Name	OJ991122_10.0419.C49.o2.np	Method	AAT/NAP
Start	4833	End	11276
GI	6862938	Score	579
Exons	4833..5213, 5247..5683, 10612..10920, 11013..11276		
GI Descrip.	(AC019018) putative non-phototropic hypocotyl [Arabidopsis thaliana]		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102896	Strand	-
Start	1	End	1671
Name	OJ991122_10.0419.C49.o1.np	Method	AAT/NAP
Start	1	End	1671
GI	3582328	Score	1074
Exons	1..1671		
GI Descrip.	(AC005496) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102897	Strand	-
Start	6058	End	6150
Name	OJ991122_10.0419.C49.o2.gp	Method	AAT/GAP
Start	6058	End	6150
GI	5867_1.R1084	Score	132
Exons	6058..6150		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102898	Strand	-
Start	11006	End	11444
Name	OJ991122_10.0419.C49.o3.gp	Method	AAT/GAP
Start	11006	End	11444
GI	none	Score	834
Exons	11006..11444		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102899	Strand	-
Start	11500	End	12706
Name	OJ991122_10.0419.C49.o1.tm	Method	TBLASTX:Maize
Start	84	End	1445

GI	none	Score	146
Exons	84..950, 220..645, 501..965, 657..821, 660..950, 876..1052, 876..1127, 960..1079, 963..1055, 1056..1436, 1056..1334, 1066..1287, 1089..1331, 1107..1328, 1149..1331, 1245..1436, 1380..1445		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102899	Strand	-
Start	11500	End	12706
Name	OJ991122_10.0419.C49.o2.tc	Method	TBLASTX:Cress
Start	126	End	534
GI	none	Score	112
Exons	126..533, 142..534		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102899	Strand	-
Start	11500	End	12706
Name	OJ991122_10.0419.C49.o1.ts	Method	TBLASTX:Soybean
Start	129	End	638
GI	none	Score	71
Exons	129..638, 142..282, 168..638		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102899	Strand	-
Start	11500	End	12706
Name	OJ991122_10.0419.C49.o1.tw	Method	TBLASTX:Wheat
Start	513	End	1331
GI	none	Score	156
Exons	513..992, 514..834, 660..986, 879..1124, 880..1095, 1050..1331		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102899	Strand	-
Start	11500	End	12706
Name	OJ991122_10.0419.C49.o1.tc	Method	TBLASTX:Cress
Start	537	End	1361
GI	none	Score	226
Exons	537..641, 573..785, 628..1218, 660..1361, 888..1271, 1021..1245, 1038..1328		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102899	Strand	-
Start	11500	End	12706
Name	OJ991122_10.0419.C49.o3.ts	Method	TBLASTX:Soybean
Start	654	End	1436
GI	none	Score	68
Exons	654..797, 655..798, 717..1100, 1056..1193, 1113..1361, 1395..1436		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102899	Strand	-
Start	11500	End	12706
Name	OJ991122_10.0419.C49.o2.ts	Method	TBLASTX:Soybean
Start	5018	End	10920
GI	none	Score	70
Exons	5018..5077, 5129..5194, 5255..5401, 5531..5683, 10609..10839, 10707..10838, 10834..10920		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102899	Strand	-
Start	11500	End	12706
Name	OJ991122_10.0419.C49.o4.gp	Method	AAT/GAP
Start	11500	End	12093
GI	none	Score	1065
Exons	11500..12093		

Seq. No.	48329	Seq. ID	OJ991122_10.0419.C49
Gene No.	102899	Strand	-
Start	11500	End	12706
Name	OJ991122_10.0419.C49.o3.gs	Method	GENSCAN
Start	11756	End	12706
GI	none	Score	.49
Exons	11756..12706		

Seq. No.	48330	Seq. ID	OJ991112_18.0419.C1
Gene No.	102900	Strand	-
Start	1	End	1177
Name	OJ991112_18.0419.C1.o1.np	Method	AAT/NAP
Start	1	End	965
GI	4206200	Score	107
Exons	1..21, 568..965		
GI Descrip.	(AF071527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48330	Seq. ID	OJ991112_18.0419.C1
Gene No.	102900	Strand	-
Start	1	End	1177
Name	OJ991112_18.0419.C1.o1.gs	Method	GENSCAN
Start	562	End	1177
GI	none	Score	.41
Exons	562..732, 887..1177		

Seq. No.	48331	Seq. ID	OJ991112_18.0419.C2
Gene No.	102901	Strand	+
Start	280	End	666
Name	OJ991112_18.0419.C2.o1.gs	Method	GENSCAN
Start	280	End	666
GI	none	Score	.96
Exons	280..666		

Seq. No.	48331	Seq. ID	OJ991112_18.0419.C2
Gene No.	102902	Strand	-
Start	2188	End	4453
Name	OJ991112_18.0419.C2.o1.np	Method	AAT/NAP
Start	2188	End	4453
GI	7505816	Score	59
Exons	2188..2421, 2461..2572, 4410..4453		
GI Descrip.	hypothetical protein K12C11.4 - Caenorhabditis elegans gi|2804470|gb|AAB97579.1| (AF043701) contains similarity to ankyrin repeats and protein kinases [Caenorhabditis elegans]		

Seq. No.	48332	Seq. ID	OJ991112_18.0419.C4
Gene No.	102903	Strand	+
Start	1780	End	2539
Name	OJ991112_18.0419.C4.o2.np	Method	AAT/NAP
Start	1780	End	2539

GI	5922623	Score	142
Exons	1780..1865, 2243..2539		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48332	Seq. ID	OJ991112_18.0419.C4
Gene No.	102904	Strand	-
Start	1	End	2307
Name	OJ991112_18.0419.C4.o1.np	Method	AAT/NAP
Start	1	End	1702
GI	7228457	Score	2521
Exons	1..1274, 1336..1702		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48332	Seq. ID	OJ991112_18.0419.C4
Gene No.	102904	Strand	-
Start	1	End	2307
Name	OJ991112_18.0419.C4.o1.gs	Method	GENSCAN
Start	32	End	2307
GI	none	Score	.84
Exons	32..750, 893..1720, 1777..1983, 2221..2307		

Seq. No.	48332	Seq. ID	OJ991112_18.0419.C4
Gene No.	102904	Strand	-
Start	1	End	2307
Name	OJ991112_18.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	662	End	1048
GI	none	Score	78
Exons	662..901, 699..929, 896..994, 897..989, 1001..1048		

Seq. No.	48332	Seq. ID	OJ991112_18.0419.C4
Gene No.	102904	Strand	-
Start	1	End	2307
Name	OJ991112_18.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	758	End	1006
GI	none	Score	66
Exons	758..1006, 759..905		

Seq. No.	48333	Seq. ID	OJ991112_18.0419.C5
Gene No.	102905	Strand	+
Start	151	End	1429
Name	OJ991112_18.0419.C5.o1.gs	Method	GENSCAN
Start	151	End	1333
GI	none	Score	.6
Exons	151..1333		

Seq. No.	48333	Seq. ID	OJ991112_18.0419.C5
Gene No.	102905	Strand	+
Start	151	End	1429
Name	OJ991112_18.0419.C5.o1.np	Method	AAT/NAP
Start	151	End	1429
GI	5803259	Score	2175
Exons	151..1429		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	48334	Seq. ID	OJ991112_18.0419.C8
Gene No.	102906	Strand	
Start	1664	End	1990
Name	OJ991112_18.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	1664	End	1990
GI	none	Score	238
Exons	1664..1990		

Seq. No.	48335	Seq. ID	OJ991112_18.0419.C10
Gene No.	102907	Strand	+
Start	529	End	1297
Name	OJ991112_18.0419.C10.o1.gs	Method	GENSCAN
Start	529	End	1297
GI	none	Score	.63
Exons	529..569, 876..1005, 1283..1297		

Seq. No.	48335	Seq. ID	OJ991112_18.0419.C10
Gene No.	102908	Strand	-
Start	2257	End	5898
Name	OJ991112_18.0419.C10.o1.gp	Method	AAT/GAP
Start	2257	End	3407
GI	40064_1.R1084	Score	1310
Exons	2257..2794, 3264..3407		
GI Descrip.	'5430753/gb|AAD43153.1|AC007504_8 1.0e-11 (AC007504) Unknown Protein [Arabidopsis thaliana]'		

Seq. No.	48335	Seq. ID	OJ991112_18.0419.C10
Gene No.	102908	Strand	-
Start	2257	End	5898
Name	OJ991112_18.0419.C10.o2.gs	Method	GENSCAN
Start	2513	End	4499
GI	none	Score	.94
Exons	2513..2794, 3264..3427, 3502..3603, 3956..4499		

Seq. No.	48335	Seq. ID	OJ991112_18.0419.C10
Gene No.	102908	Strand	-
Start	2257	End	5898
Name	OJ991112_18.0419.C10.o1.tw	Method	TBLASTX:Wheat
Start	2531	End	3411
GI	none	Score	253
Exons	2531..2794, 2544..2783, 2548..2784, 2549..2785, 3264..3410, 3267..3389, 3268..3411		

Seq. No.	48335	Seq. ID	OJ991112_18.0419.C10
Gene No.	102908	Strand	-
Start	2257	End	5898
Name	OJ991112_18.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	2625	End	3405
GI	none	Score	157
Exons	2625..2792, 2627..2800, 2627..2803, 3264..3398, 3264..3398, 3265..3399, 3265..3405		

Seq. No.	48335	Seq. ID	OJ991112_18.0419.C10
Gene No.	102908	Strand	-
Start	2257	End	5898
Name	OJ991112_18.0419.C10.o2.gp	Method	AAT/GAP

Start	4098	End	5898
GI	none	Score	819
Exons	4098..4493, 5850..5898		

Seq. No.	48336	Seq. ID	OJ991112_18.0419.C11
Gene No.	102909	Strand	-
Start	447	End	511
Name	OJ991112_18.0419.C11.o1.gp	Method	AAT/GAP
Start	447	End	511
GI	none	Score	101
Exons	447..511		

Seq. No.	48336	Seq. ID	OJ991112_18.0419.C11
Gene No.	102910	Strand	-
Start	1346	End	2402
Name	OJ991112_18.0419.C11.o1.gs	Method	GENSCAN
Start	1346	End	2402
GI	none	Score	.71
Exons	1346..1356, 1516..1651, 2355..2402		

Seq. No.	48337	Seq. ID	OJ991112_18.0419.C14
Gene No.	102911	Strand	-
Start	539	End	688
Name	OJ991112_18.0419.C14.o1.gs	Method	GENSCAN
Start	539	End	688
GI	none	Score	.72
Exons	539..688		

Seq. No.	48338	Seq. ID	OJ991112_18.0419.C15
Gene No.	102912	Strand	+
Start	210	End	653
Name	OJ991112_18.0419.C15.o1.gs	Method	GENSCAN
Start	210	End	653
GI	none	Score	.49
Exons	210..653		

Seq. No.	48339	Seq. ID	OJ991112_18.0419.C18
Gene No.	102913	Strand	-
Start	1	End	940
Name	OJ991112_18.0419.C18.o1.np	Method	AAT/NAP
Start	1	End	940
GI	7228457	Score	1550
Exons	1..940		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48339	Seq. ID	OJ991112_18.0419.C18
Gene No.	102913	Strand	-
Start	1	End	940
Name	OJ991112_18.0419.C18.o2.tw	Method	TBLASTX:Wheat
Start	3	End	545
GI	none	Score	113
Exons	3..68, 249..545, 262..405, 303..407, 442..540, 470..541		

Seq. No.	48339	Seq. ID	OJ991112_18.0419.C18
Gene No.	102913	Strand	-

Start	1	End	940
Name	OJ991112_18.0419.C18.o1.gs	Method	GENSCAN
Start	47	End	702
GI	none	Score	.58
Exons	47..702		

Seq. No.	48339	Seq. ID	OJ991112_18.0419.C18
Gene No.	102913	Strand	-
Start	1	End	940
Name	OJ991112_18.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	528	End	902
GI	none	Score	178
Exons	528..641, 639..902		

Seq. No.	48339	Seq. ID	OJ991112_18.0419.C18
Gene No.	102913	Strand	-
Start	1	End	940
Name	OJ991112_18.0419.C18.o1.tw	Method	TBLASTX:Wheat
Start	546	End	927
GI	none	Score	169
Exons	546..926, 577..825, 585..830, 871..927		

Seq. No.	48340	Seq. ID	OJ991112_18.0419.C21
Gene No.	102914	Strand	+
Start	68	End	332
Name	OJ991112_18.0419.C21.o1.gs	Method	GENSCAN
Start	68	End	332
GI	none	Score	.7
Exons	68..74, 238..332		

Seq. No.	48340	Seq. ID	OJ991112_18.0419.C21
Gene No.	102915	Strand	-
Start	1	End	1549
Name	OJ991112_18.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	1292
GI	6539588	Score	237
Exons	1..27, 990..1292		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	48340	Seq. ID	OJ991112_18.0419.C21
Gene No.	102915	Strand	-
Start	1	End	1549
Name	OJ991112_18.0419.C21.o2.gs	Method	GENSCAN
Start	986	End	1549
GI	none	Score	.73
Exons	986..1233, 1492..1549		

Seq. No.	48341	Seq. ID	OJ991112_18.0419.C23
Gene No.	102916	Strand	-
Start	560	End	1523
Name	OJ991112_18.0419.C23.o1.gs	Method	GENSCAN
Start	560	End	1296
GI	none	Score	.51
Exons	560..988, 1204..1296		

Seq. No.	48341	Seq. ID	OJ991112_18.0419.C23
Gene No.	102916	Strand	-

Start	560	End	1523
Name	OJ991112_18.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	584	End	1299
GI	none	Score	118
Exons	584..733, 585..734, 804..923, 806..973, 807..980, 1202..1297, 1202..1297, 1203..1298, 1204..1299, 1204..1299		

Seq. No.	48341	Seq. ID	OJ991112_18.0419.C23
Gene No.	102916	Strand	-
Start	560	End	1523
Name	OJ991112_18.0419.C23.o1.np	Method	AAT/NAP
Start	702	End	1523
GI	6978915	Score	230
Exons	702..922, 1204..1296, 1481..1523		
GI Descrip.	(AC021665) unknown protein [Arabidopsis thaliana]		

Seq. No.	48342	Seq. ID	OJ991112_18.0419.C24
Gene No.	102917	Strand	+
Start	94	End	176
Name	OJ991112_18.0419.C24.o1.gs	Method	GENSCAN
Start	94	End	176
GI	none	Score	.52
Exons	94..176		

Seq. No.	48342	Seq. ID	OJ991112_18.0419.C24
Gene No.	102918	Strand	-
Start	1	End	2021
Name	OJ991112_18.0419.C24.o1.np	Method	AAT/NAP
Start	1	End	2021
GI	6978915	Score	348
Exons	1..218, 314..404, 1141..1197, 1978..2021		
GI Descrip.	(AC021665) unknown protein [Arabidopsis thaliana]		

Seq. No.	48342	Seq. ID	OJ991112_18.0419.C24
Gene No.	102918	Strand	-
Start	1	End	2021
Name	OJ991112_18.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	45	End	1199
GI	none	Score	114
Exons	45..89, 65..160, 76..159, 80..160, 81..188, 164..226, 165..221, 314..403, 316..405, 316..408, 1137..1199, 1142..1198		

Seq. No.	48342	Seq. ID	OJ991112_18.0419.C24
Gene No.	102918	Strand	-
Start	1	End	2021
Name	OJ991112_18.0419.C24.o1.ts	Method	TBLASTX:Soybean
Start	54	End	221
GI	none	Score	89
Exons	54..200, 56..190, 56..220, 57..221		

Seq. No.	48342	Seq. ID	OJ991112_18.0419.C24
Gene No.	102918	Strand	-
Start	1	End	2021
Name	OJ991112_18.0419.C24.o1.tw	Method	TBLASTX:Wheat
Start	56	End	405
GI	none	Score	96
Exons	56..220, 57..212, 316..405, 316..405		

Seq. No.	48343	Seq. ID	OJ991112_18.0419.C25
Gene No.	102919	Strand	+
Start	1	End	674
Name	OJ991112_18.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	674
GI	6815099	Score	92
Exons	1..38, 559..674		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	48344	Seq. ID	OJ991112_18.0419.C26
Gene No.	102920	Strand	+
Start	162	End	283
Name	OJ991112_18.0419.C26.o1.gs	Method	GENSCAN
Start	162	End	283
GI	none	Score	.95
Exons	162..283		

Seq. No.	48344	Seq. ID	OJ991112_18.0419.C26
Gene No.	102921	Strand	-
Start	1845	End	2182
Name	OJ991112_18.0419.C26.o2.gs	Method	GENSCAN
Start	1845	End	2182
GI	none	Score	.62
Exons	1845..1958, 2179..2182		

Seq. No.	48345	Seq. ID	OJ991112_18.0419.C28
Gene No.	102922	Strand	-
Start	1	End	4511
Name	OJ991112_18.0419.C28.o1.np	Method	AAT/NAP
Start	1	End	4125
GI	7228457	Score	1712
Exons	1..932, 987..2549, 3689..3767, 4081..4125		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48345	Seq. ID	OJ991112_18.0419.C28
Gene No.	102922	Strand	-
Start	1	End	4511
Name	OJ991112_18.0419.C28.o2.tm	Method	TBLASTX:Maize
Start	4	End	348
GI	none	Score	99
Exons	4..348, 5..181, 251..313		

Seq. No.	48345	Seq. ID	OJ991112_18.0419.C28
Gene No.	102922	Strand	-
Start	1	End	4511
Name	OJ991112_18.0419.C28.o1.ts	Method	TBLASTX:Soybean
Start	88	End	315
GI	none	Score	76
Exons	88..315, 89..178		

Seq. No.	48345	Seq. ID	OJ991112_18.0419.C28
Gene No.	102922	Strand	-
Start	1	End	4511
Name	OJ991112_18.0419.C28.o3.tw	Method	TBLASTX:Wheat

Start	88	End	405
GI	none	Score	98
Exons	88..405, 89..181, 121..402		

Seq. No.	48345	Seq. ID	OJ991112_18.0419.C28
Gene No.	102922	Strand	-
Start	1	End	4511
Name	OJ991112_18.0419.C28.o1.tm	Method	TBLASTX:Maize
Start	376	End	732
GI	none	Score	211
Exons	376..732, 377..670, 430..678		

Seq. No.	48345	Seq. ID	OJ991112_18.0419.C28
Gene No.	102922	Strand	-
Start	1	End	4511
Name	OJ991112_18.0419.C28.o1.tw	Method	TBLASTX:Wheat
Start	406	End	862
GI	none	Score	344
Exons	406..861, 407..862		

Seq. No.	48345	Seq. ID	OJ991112_18.0419.C28
Gene No.	102922	Strand	-
Start	1	End	4511
Name	OJ991112_18.0419.C28.o2.ts	Method	TBLASTX:Soybean
Start	457	End	822
GI	none	Score	97
Exons	457..591, 607..822		

Seq. No.	48345	Seq. ID	OJ991112_18.0419.C28
Gene No.	102922	Strand	-
Start	1	End	4511
Name	OJ991112_18.0419.C28.o2.tw	Method	TBLASTX:Wheat
Start	1054	End	1509
GI	none	Score	149
Exons	1054..1290, 1064..1288, 1327..1509, 1400..1501		

Seq. No.	48345	Seq. ID	OJ991112_18.0419.C28
Gene No.	102922	Strand	-
Start	1	End	4511
Name	OJ991112_18.0419.C28.o4.tw	Method	TBLASTX:Wheat
Start	2140	End	2538
GI	none	Score	100
Exons	2140..2415, 2141..2374, 2374..2487, 2426..2476, 2488..2538		

Seq. No.	48345	Seq. ID	OJ991112_18.0419.C28
Gene No.	102922	Strand	-
Start	1	End	4511
Name	OJ991112_18.0419.C28.o2.np	Method	AAT/NAP
Start	2399	End	4511
GI	7523517	Score	286
Exons	2399..2420, 3996..4069, 4214..4511		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48346	Seq. ID	OJ991112_18.0419.C29
Gene No.	102923	Strand	-
Start	549	End	1068
Name	OJ991112_18.0419.C29.o1.gs	Method	GENSCAN

Start	549	End	1068
GI	none	Score	.51
Exons	549..754, 1059..1068		

Seq. No.	48347	Seq. ID	OJ991112_18.0419.C30
Gene No.	102924	Strand	+
Start	1	End	109
Name	OJ991112_18.0419.C30.o1.gp	Method	AAT/GAP
Start	1	End	109
GI	none	Score	181
Exons	1..109		

Seq. No.	48347	Seq. ID	OJ991112_18.0419.C30
Gene No.	102925	Strand	-
Start	17	End	1517
Name	OJ991112_18.0419.C30.o1.gs	Method	GENSCAN
Start	17	End	779
GI	none	Score	.96
Exons	17..779		

Seq. No.	48347	Seq. ID	OJ991112_18.0419.C30
Gene No.	102925	Strand	-
Start	17	End	1517
Name	OJ991112_18.0419.C30.o1.np	Method	AAT/NAP
Start	42	End	587
GI	7300088	Score	207
Exons	42..587		
GI Descrip.	(AE003711) CG5516 gene product [Drosophila melanogaster]		

Seq. No.	48347	Seq. ID	OJ991112_18.0419.C30
Gene No.	102925	Strand	-
Start	17	End	1517
Name	OJ991112_18.0419.C30.o2.gp	Method	AAT/GAP
Start	430	End	1517
GI	11912_1.R1084	Score	1045
Exons	430..832, 1374..1517		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	48347	Seq. ID	OJ991112_18.0419.C30
Gene No.	102926	Strand	-
Start	2276	End	2839
Name	OJ991112_18.0419.C30.o1.tm	Method	TBLASTX:Maize
Start	310	End	783
GI	none	Score	208
Exons	310..369, 348..386, 381..539, 382..519, 510..779, 511..780, 511..783		

Seq. No.	48347	Seq. ID	OJ991112_18.0419.C30
Gene No.	102926	Strand	-
Start	2276	End	2839
Name	OJ991112_18.0419.C30.o1.ts	Method	TBLASTX:Soybean
Start	570	End	776
GI	none	Score	155
Exons	570..776, 571..771		

Seq. No.	48347	Seq. ID	OJ991112_18.0419.C30

Gene No.	102926	Strand	-
Start	2276	End	2839
Name	OJ991112_18.0419.C30.o3.gp	Method	AAT/GAP
Start	2276	End	2736
GI	4971_1.R1084	Score	898
Exons	2276..2736		
GI Descrip.	'19046/emb|X64254|HVMRNA 3.0e-21 H.vulgare mRNA for seed protein B32E'		

Seq. No.	48347	Seq. ID	OJ991112_18.0419.C30
Gene No.	102926	Strand	-
Start	2276	End	2839
Name	OJ991112_18.0419.C30.o2.tm	Method	TBLASTX:Maize
Start	2495	End	2839
GI	none	Score	189
Exons	2495..2536, 2633..2839, 2637..2831		

Seq. No.	48347	Seq. ID	OJ991112_18.0419.C30
Gene No.	102926	Strand	-
Start	2276	End	2839
Name	OJ991112_18.0419.C30.o2.np	Method	AAT/NAP
Start	2636	End	2839
GI	282995	Score	245
Exons	2636..2839		
GI Descrip.	seed protein B32E - barley (fragment) gi|1345530|emb|CAA45538| (X64254) B32E [Hordeum vulgare]		

Seq. No.	48348	Seq. ID	OJ991112_18.0419.C31
Gene No.	102927	Strand	-
Start	1	End	3201
Name	OJ991112_18.0419.C31.o1.gp	Method	AAT/GAP
Start	1	End	765
GI	5796_1.R1084	Score	866
Exons	1..149, 353..589, 675..765		
GI Descrip.	'282995/pir||S22534 1.0e-20 seed protein B32E - barley (fragment) >gi_1345530_emb_CAA45538_ (X64254) B32E [Hordeum vulgare]'		

Seq. No.	48348	Seq. ID	OJ991112_18.0419.C31
Gene No.	102927	Strand	-
Start	1	End	3201
Name	OJ991112_18.0419.C31.o1.np	Method	AAT/NAP
Start	1	End	148
GI	282995	Score	197
Exons	1..148		
GI Descrip.	seed protein B32E - barley (fragment) gi|1345530|emb|CAA45538| (X64254) B32E [Hordeum vulgare]		

Seq. No.	48348	Seq. ID	OJ991112_18.0419.C31
Gene No.	102927	Strand	-
Start	1	End	3201
Name	OJ991112_18.0419.C31.o2.np	Method	AAT/NAP
Start	1	End	3198
GI	2829927	Score	363
Exons	1..60, 345..589, 675..760, 1429..1504, 2697..2759, 2799..2869, 3085..3198		
GI Descrip.	(AC002291) Unknown protein [Arabidopsis thaliana]		

Seq. No.	48348	Seq. ID	OJ991112_18.0419.C31
Gene No.	102927	Strand	-
Start	1	End	3201
Name	OJ991112_18.0419.C31.o1.gs	Method	GENSCAN
Start	313	End	3198
GI	none	Score	.87
Exons	313..589, 675..760, 1429..1510, 2162..2313, 3085..3198		

Seq. No.	48348	Seq. ID	OJ991112_18.0419.C31
Gene No.	102927	Strand	-
Start	1	End	3201
Name	OJ991112_18.0419.C31.o1.tm	Method	TBLASTX:Maize
Start	346	End	3201
GI	none	Score	67
Exons	346..399, 352..399, 376..468, 401..466, 493..594, 502..588, 506..640, 507..617, 660..761, 671..766, 674..760, 1428..1511, 1429..1512, 1429..1512, 1430..1513, 2684..2719, 2714..2866, 2750..2866, 3066..3200, 3080..3199, 3085..3201, 3085..3201		

Seq. No.	48348	Seq. ID	OJ991112_18.0419.C31
Gene No.	102927	Strand	-
Start	1	End	3201
Name	OJ991112_18.0419.C31.o1.ts	Method	TBLASTX:Soybean
Start	346	End	3201
GI	none	Score	82
Exons	346..441, 505..591, 677..760, 678..761, 1429..1512, 2718..2756, 2795..2875, 2798..2872, 3085..3201, 3101..3199		

Seq. No.	48348	Seq. ID	OJ991112_18.0419.C31
Gene No.	102927	Strand	-
Start	1	End	3201
Name	OJ991112_18.0419.C31.o2.gp	Method	AAT/GAP
Start	1386	End	3198
GI	48709_1.R1084	Score	668
Exons	1386..1510, 2697..2869, 3085..3198		
GI Descrip.	'3395431 1.0e-43 (AC004683) unknown protein [Arabidopsis thaliana]'		

Seq. No.	48349	Seq. ID	OJ991112_18.0419.C32
Gene No.	102928	Strand	+
Start	688	End	1026
Name	OJ991112_18.0419.C32.o1.gp	Method	AAT/GAP
Start	688	End	934
GI	1913_1.R1084	Score	423
Exons	688..934		
GI Descrip.	'1709619/sp|P52588|PDI_MAIZE 1.0e-174 PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) >gi_2146814_pir__S69181 protein disulfide isomerase (EC 5.3.4.1) precursor - maize >gi_625148 (L39014) protein disulfide isomerase [Zea mays]'		

Seq. No.	48349	Seq. ID	OJ991112_18.0419.C32
Gene No.	102928	Strand	+
Start	688	End	1026
Name	OJ991112_18.0419.C32.o1.gs	Method	GENSCAN
Start	728	End	930
GI	none	Score	1

Exons	728..930		
Seq. No.	48349	Seq. ID	OJ991112_18.0419.C32
Gene No.	102928	Strand	+
Start	688	End	1026
Name	OJ991112_18.0419.C32.o1.np	Method	AAT/NAP
Start	728	End	1026
GI	1709620	Score	237
Exons	728..1026		
GI Descrip.	PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) gi|7437387|pir||T06262 probable protein disulfide-isomerase (EC 5.3.4.1) precursor - wheat gi|508975|gb|AAA19660.1| (U11496) protein disulfide isomerase [Triticum aestivum] gi|1094851|prf||2106410A protein disulfide isomerase [Triticum aestivum]		
Seq. No.	48350	Seq. ID	OJ991112_18.0419.C34
Gene No.	102929	Strand	+
Start	8311	End	8427
Name	OJ991112_18.0419.C34.o2.gs	Method	GENSCAN
Start	8311	End	8427
GI	none	Score	.43
Exons	8311..8427		
Seq. No.	48350	Seq. ID	OJ991112_18.0419.C34
Gene No.	102930	Strand	-
Start	1	End	8512
Name	OJ991112_18.0419.C34.o1.np	Method	AAT/NAP
Start	1	End	8512
GI	7505816	Score	23
Exons	1..67, 958..1054, 8481..8512		
GI Descrip.	hypothetical protein K12C11.4 - Caenorhabditis elegans gi|2804470|gb|AAB97579.1| (AF043701) contains similarity to ankyrin repeats and protein kinases [Caenorhabditis elegans]		
Seq. No.	48351	Seq. ID	OJ991112_18.0419.C35
Gene No.	102931	Strand	+
Start	16	End	1122
Name	OJ991112_18.0419.C35.o1.gs	Method	GENSCAN
Start	16	End	1122
GI	none	Score	1
Exons	16..1122		
Seq. No.	48351	Seq. ID	OJ991112_18.0419.C35
Gene No.	102932	Strand	+
Start	1560	End	2119
Name	OJ991112_18.0419.C35.o1.gp	Method	AAT/GAP
Start	1560	End	2119
GI	51104_1.R1084	Score	996
Exons	1560..2119		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	48351	Seq. ID	OJ991112_18.0419.C35
Gene No.	102933	Strand	-
Start	2145	End	2397
Name	OJ991112_18.0419.C35.o1.tm	Method	TBLASTX:Maize

Start	2125	End	2397
GI	none	Score	106
Exons	2125..2226, 2143..2226, 2145..2234, 2294..2395, 2298..2396, 2302..2397, 2304..2396		

Seq. No.	48351	Seq. ID	OJ991112_18.0419.C35
Gene No.	102933	Strand	-
Start	2145	End	2397
Name	OJ991112_18.0419.C35.o1.np	Method	AAT/NAP
Start	2142	End	2397
GI	5916445	Score	172
Exons	2142..2225, 2304..2397		
GI Descrip.	(AC007633) putative protein [Arabidopsis thaliana]		

Seq. No.	48351	Seq. ID	OJ991112_18.0419.C35
Gene No.	102933	Strand	-
Start	2145	End	2397
Name	OJ991112_18.0419.C35.o2.gs	Method	GENSCAN
Start	2145	End	2342
GI	none	Score	.91
Exons	2145..2225, 2304..2342		

Seq. No.	48352	Seq. ID	OJ991112_18.0419.C36
Gene No.	102934	Strand	-
Start	1	End	2493
Name	OJ991112_18.0419.C36.o1.np	Method	AAT/NAP
Start	1	End	2493
GI	5916445	Score	602
Exons	1..33, 462..673, 1126..1482, 1939..2493		
GI Descrip.	(AC007633) putative protein [Arabidopsis thaliana]		

Seq. No.	48352	Seq. ID	OJ991112_18.0419.C36
Gene No.	102934	Strand	-
Start	1	End	2493
Name	OJ991112_18.0419.C36.o1.tm	Method	TBLASTX:Maize
Start	448	End	2322
GI	none	Score	114
Exons	448..642, 461..673, 462..674, 1102..1491, 1127..1483, 1990..2058, 2035..2079, 2062..2130, 2082..2168, 2209..2322, 2211..2246, 2224..2292		

Seq. No.	48352	Seq. ID	OJ991112_18.0419.C36
Gene No.	102934	Strand	-
Start	1	End	2493
Name	OJ991112_18.0419.C36.o1.tc	Method	TBLASTX:Cress
Start	459	End	673
GI	none	Score	164
Exons	459..671, 461..673		

Seq. No.	48352	Seq. ID	OJ991112_18.0419.C36
Gene No.	102934	Strand	-
Start	1	End	2493
Name	OJ991112_18.0419.C36.o1.ts	Method	TBLASTX:Soybean
Start	459	End	1311
GI	none	Score	169
Exons	459..671, 461..673, 1111..1242, 1124..1243, 1124..1243, 1237..1311		

Seq. No.	48352	Seq. ID	OJ991112_18.0419.C36
Gene No.	102934	Strand	-
Start	1	End	2493
Name	OJ991112_18.0419.C36.o1.gs	Method	GENSCAN
Start	462	End	2449
GI	none	Score	.95
Exons	462..673, 1126..1430, 1991..2144, 2183..2449		

Seq. No.	48352	Seq. ID	OJ991112_18.0419.C36
Gene No.	102934	Strand	-
Start	1	End	2493
Name	OJ991112_18.0419.C36.o2.tc	Method	TBLASTX:Cress
Start	1111	End	1324
GI	none	Score	63
Exons	1111..1245, 1119..1196, 1127..1246, 1139..1243, 1237..1323, 1247..1324		

Seq. No.	48353	Seq. ID	OJ991112_18.0419.C38
Gene No.	102935	Strand	+
Start	224	End	772
Name	OJ991112_18.0419.C38.o1.gs	Method	GENSCAN
Start	224	End	772
GI	none	Score	.66
Exons	224..772		

Seq. No.	48353	Seq. ID	OJ991112_18.0419.C38
Gene No.	102936	Strand	-
Start	1	End	892
Name	OJ991112_18.0419.C38.o1.np	Method	AAT/NAP
Start	1	End	892
GI	6721558	Score	226
Exons	1..92, 793..892		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	48354	Seq. ID	OJ991112_18.0419.C40
Gene No.	102937	Strand	-
Start	1	End	1354
Name	OJ991112_18.0419.C40.o1.np	Method	AAT/NAP
Start	1	End	1354
GI	5295971	Score	2094
Exons	1..1354		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	48354	Seq. ID	OJ991112_18.0419.C40
Gene No.	102937	Strand	-
Start	1	End	1354
Name	OJ991112_18.0419.C40.o1.tm	Method	TBLASTX:Maize
Start	1	End	436
GI	none	Score	107
Exons	1..87, 3..86, 4..87, 5..145, 5..139, 140..235, 156..179, 161..436, 162..419, 206..421		

Seq. No.	48354	Seq. ID	OJ991112_18.0419.C40
Gene No.	102937	Strand	-
Start	1	End	1354
Name	OJ991112_18.0419.C40.o1.gs	Method	GENSCAN
Start	110	End	1354
GI	none	Score	.59
Exons	110..1354		

Seq. No.	48354	Seq. ID	OJ991112_18.0419.C40
Gene No.	102937	Strand	-
Start	1	End	1354
Name	OJ991112_18.0419.C40.o2.tm	Method	TBLASTX:Maize
Start	671	End	967
GI	none	Score	213
Exons	671..886, 671..886, 747..962, 778..897, 932..967		

Seq. No.	48355	Seq. ID	OJ991112_18.0419.C41
Gene No.	102938	Strand	-
Start	643	End	988
Name	OJ991112_18.0419.C41.o1.np	Method	AAT/NAP
Start	643	End	988
GI	7228457	Score	471
Exons	643..988		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48355	Seq. ID	OJ991112_18.0419.C41
Gene No.	102938	Strand	-
Start	643	End	988
Name	OJ991112_18.0419.C41.o1.tm	Method	TBLASTX:Maize
Start	677	End	951
GI	none	Score	122
Exons	677..802, 678..794, 855..950, 868..951		

Seq. No.	48355	Seq. ID	OJ991112_18.0419.C41
Gene No.	102938	Strand	-
Start	643	End	988
Name	OJ991112_18.0419.C41.o1.tw	Method	TBLASTX:Wheat
Start	695	End	980
GI	none	Score	93
Exons	695..802, 708..803, 790..873, 864..980		

Seq. No.	48356	Seq. ID	OJ991112_18.0419.C42
Gene No.	102939	Strand	+
Start	1	End	1689
Name	OJ991112_18.0419.C42.o1.np	Method	AAT/NAP
Start	1	End	1689
GI	1709619	Score	1233
Exons	1..93, 199..486, 590..778, 920..1045, 1336..1473, 1556..1689		
GI Descrip.	PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) gi|2146814|pir||S69181 protein disulfide isomerase (EC 5.3.4.1) precursor - maize gi|625148 (L39014) protein disulfide isomerase [Zea mays]		

Seq. No.	48356	Seq. ID	OJ991112_18.0419.C42
Gene No.	102939	Strand	+

Start	1	End	1689
Name	OJ991112_18.0419.C42.o1.tm	Method	TBLASTX:Maize
Start	62	End	1687
GI	none	Score	62
Exons	62..91, 63..92, 64..93, 64..90, 196..489, 196..486, 198..488, 589..720, 590..787, 591..779, 908..1102, 918..1046, 919..1092, 1333..1473, 1333..1383, 1334..1483, 1335..1496, 1553..1687, 1554..1676, 1555..1683		

Seq. No.	48356	Seq. ID	OJ991112_18.0419.C42
Gene No.	102939	Strand	+
Start	1	End	1689
Name	OJ991112_18.0419.C42.o1.gp	Method	AAT/GAP
Start	63	End	1689
GI	1913_1.R1084	Score	1654
Exons	63..93, 199..486, 590..778, 920..1045, 1336..1473, 1556..1689		
GI Descrip.	'1709619/sp|P52588|PDI_MAIZE 1.0e-174 PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) >gi_2146814_pir__S69181 protein disulfide isomerase (EC 5.3.4.1) precursor - maize >gi_625148 (L39014) protein disulfide isomerase [Zea mays]'		

Seq. No.	48356	Seq. ID	OJ991112_18.0419.C42
Gene No.	102939	Strand	+
Start	1	End	1689
Name	OJ991112_18.0419.C42.o1.tc	Method	TBLASTX:Cress
Start	63	End	1672
GI	none	Score	58
Exons	63..92, 64..93, 167..328, 188..334, 196..489, 198..476, 572..778, 590..802, 908..1105, 919..1092, 1202..1261, 1333..1473, 1370..1471, 1526..1672, 1553..1666, 1555..1668		

Seq. No.	48356	Seq. ID	OJ991112_18.0419.C42
Gene No.	102939	Strand	+
Start	1	End	1689
Name	OJ991112_18.0419.C42.o1.ts	Method	TBLASTX:Soybean
Start	63	End	1672
GI	none	Score	62
Exons	63..92, 64..93, 158..328, 196..489, 196..423, 198..488, 589..720, 590..787, 590..778, 908..1105, 919..1050, 1333..1473, 1519..1671, 1553..1672		

Seq. No.	48356	Seq. ID	OJ991112_18.0419.C42
Gene No.	102939	Strand	+
Start	1	End	1689
Name	OJ991112_18.0419.C42.o1.tw	Method	TBLASTX:Wheat
Start	196	End	696
GI	none	Score	421
Exons	196..474, 198..473, 589..696, 590..694, 592..696		

Seq. No.	48356	Seq. ID	OJ991112_18.0419.C42
Gene No.	102939	Strand	+
Start	1	End	1689
Name	OJ991112_18.0419.C42.o1.gs	Method	GENSCAN
Start	199	End	1675
GI	none	Score	.96
Exons	199..486, 590..778, 920..1045, 1336..1473, 1556..1675		

Seq. No.	48357	Seq. ID	OJ991112_18.0419.C43
Gene No.	102940	Strand	+
Start	1094	End	1986
Name	OJ991112_18.0419.C43.o1.np	Method	AAT/NAP
Start	1094	End	1986
GI	7303699	Score	44
Exons	1094..1211, 1257..1476, 1900..1986		
GI Descrip.	(AE003828) CG12342 gene product [Drosophila melanogaster]		

Seq. No.	48357	Seq. ID	OJ991112_18.0419.C43
Gene No.	102940	Strand	+
Start	1094	End	1986
Name	OJ991112_18.0419.C43.o1.gs	Method	GENSCAN
Start	1173	End	1515
GI	none	Score	.89
Exons	1173..1515		

Seq. No.	48358	Seq. ID	OJ991112_18.0419.C44
Gene No.	102941	Strand	
Start	106	End	512
Name	OJ991112_18.0419.C44.o1.tw	Method	TBLASTX:Wheat
Start	106	End	430
GI	none	Score	62
Exons	106..240, 108..239, 279..362, 377..430		

Seq. No.	48358	Seq. ID	OJ991112_18.0419.C44
Gene No.	102941	Strand	
Start	106	End	512
Name	OJ991112_18.0419.C44.o1.tm	Method	TBLASTX:Maize
Start	108	End	512
GI	none	Score	58
Exons	108..365, 374..481, 377..460, 378..512, 471..500		

Seq. No.	48359	Seq. ID	OJ991112_18.0419.C46
Gene No.	102942	Strand	+
Start	1	End	1805
Name	OJ991112_18.0419.C46.o1.np	Method	AAT/NAP
Start	1	End	1802
GI	5902445	Score	1538
Exons	1..457, 491..1802		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	48359	Seq. ID	OJ991112_18.0419.C46
Gene No.	102942	Strand	+
Start	1	End	1805
Name	OJ991112_18.0419.C46.o1.gs	Method	GENSCAN
Start	46	End	1805
GI	none	Score	.42
Exons	46..338, 417..864, 1000..1203, 1527..1805		

Seq. No.	48359	Seq. ID	OJ991112_18.0419.C46
Gene No.	102943	Strand	-
Start	3469	End	4186
Name	OJ991112_18.0419.C46.o3.tw	Method	TBLASTX:Wheat
Start	28	End	402
GI	none	Score	206
Exons	28..402		

Seq. No.	48359	Seq. ID	OJ991112_18.0419.C46
Gene No.	102943	Strand	-
Start	3469	End	4186
Name	OJ991112_18.0419.C46.o1.tm	Method	TBLASTX:Maize
Start	679	End	984
GI	none	Score	355
Exons	679..984, 696..983		

Seq. No.	48359	Seq. ID	OJ991112_18.0419.C46
Gene No.	102943	Strand	-
Start	3469	End	4186
Name	OJ991112_18.0419.C46.o1.tw	Method	TBLASTX:Wheat
Start	679	End	1062
GI	none	Score	379
Exons	679..1062, 687..1061		

Seq. No.	48359	Seq. ID	OJ991112_18.0419.C46
Gene No.	102943	Strand	-
Start	3469	End	4186
Name	OJ991112_18.0419.C46.o2.tw	Method	TBLASTX:Wheat
Start	1186	End	1793
GI	none	Score	171
Exons	1186..1377, 1335..1376, 1394..1441, 1395..1637, 1662..1793, 1667..1792		

Seq. No.	48359	Seq. ID	OJ991112_18.0419.C46
Gene No.	102943	Strand	-
Start	3469	End	4186
Name	OJ991112_18.0419.C46.o2.tm	Method	TBLASTX:Maize
Start	1509	End	1757
GI	none	Score	138
Exons	1509..1673, 1674..1757		

Seq. No.	48359	Seq. ID	OJ991112_18.0419.C46
Gene No.	102943	Strand	-
Start	3469	End	4186
Name	OJ991112_18.0419.C46.o2.gs	Method	GENSCAN
Start	3469	End	4186
GI	none	Score	.63
Exons	3469..3546, 3977..4186		

Seq. No.	48360	Seq. ID	OJ991112_18.0419.C47
Gene No.	102944	Strand	-
Start	99	End	1859
Name	OJ991112_18.0419.C47.o1.gs	Method	GENSCAN
Start	99	End	1668
GI	none	Score	.72
Exons	99..428, 495..586, 685..830, 1098..1668		

Seq. No.	48360	Seq. ID	OJ991112_18.0419.C47
Gene No.	102944	Strand	-
Start	99	End	1859
Name	OJ991112_18.0419.C47.o1.np	Method	AAT/NAP
Start	965	End	1859
GI	6721561	Score	965
Exons	965..1733, 1800..1859		

GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	48361	Seq. ID	OJ991112_18.0419.C49
Gene No.	102945	Strand	-
Start	215	End	1394
Name	OJ991112_18.0419.C49.o1.gp	Method	AAT/GAP
Start	215	End	1394
GI	1913_1.R1084	Score	1455
Exons	215..558, 638..855, 968..1080, 1271..1394		
GI Descrip.	'1709619/sp|P52588|PDI_MAIZE 1.0e-174 PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) >gi_2146814_pir__S69181 protein disulfide isomerase (EC 5.3.4.1) precursor - maize >gi_625148 (L39014) protein disulfide isomerase [Zea mays]'		

Seq. No.	48361	Seq. ID	OJ991112_18.0419.C49
Gene No.	102945	Strand	-
Start	215	End	1394
Name	OJ991112_18.0419.C49.o1.ts	Method	TBLASTX:Soybean
Start	623	End	1391
GI	none	Score	70
Exons	623..820, 697..825, 725..823, 754..840, 826..855, 830..856, 968..1084, 975..1082, 977..1081, 978..1106, 1029..1076, 1272..1391, 1272..1388		

Seq. No.	48361	Seq. ID	OJ991112_18.0419.C49
Gene No.	102945	Strand	-
Start	215	End	1394
Name	OJ991112_18.0419.C49.o1.gs	Method	GENSCAN
Start	643	End	1080
GI	none	Score	.75
Exons	643..855, 968..1080		

Seq. No.	48361	Seq. ID	OJ991112_18.0419.C49
Gene No.	102945	Strand	-
Start	215	End	1394
Name	OJ991112_18.0419.C49.o1.np	Method	AAT/NAP
Start	646	End	1394
GI	7209794	Score	703
Exons	646..855, 968..1080, 1271..1394		
GI Descrip.	(AB039278) protein disulfide isomerase [Oryza sativa]		

Seq. No.	48361	Seq. ID	OJ991112_18.0419.C49
Gene No.	102945	Strand	-
Start	215	End	1394
Name	OJ991112_18.0419.C49.o1.tm	Method	TBLASTX:Maize
Start	700	End	1389
GI	none	Score	104
Exons	700..855, 704..856, 718..849, 722..862, 965..1081, 966..1079, 968..1081, 968..1084, 1029..1076, 1272..1388, 1272..1388, 1273..1389		

Seq. No.	48361	Seq. ID	OJ991112_18.0419.C49
Gene No.	102945	Strand	-

Start	215	End	1394
Name	OJ991112_18.0419.C49.o1.tc	Method	TBLASTX:Cress
Start	709	End	1394
GI	none	Score	73
Exons	709..825, 713..826, 715..825, 826..855, 827..856, 968..1084, 978..1106, 980..1081, 1272..1394		

Seq. No.	48362	Seq. ID	OJ991112_18.0419.C50
Gene No.	102946	Strand	-
Start	284	End	1121
Name	OJ991112_18.0419.C50.o1.gs	Method	GENSCAN
Start	284	End	1121
GI	none	Score	.43
Exons	284..384, 1017..1121		

Seq. No.	48363	Seq. ID	OJ991112_18.0419.C56
Gene No.	102947	Strand	-
Start	1	End	1504
Name	OJ991112_18.0419.C56.o1.np	Method	AAT/NAP
Start	1	End	1504
GI	6539558	Score	2309
Exons	1..1504		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	48363	Seq. ID	OJ991112_18.0419.C56
Gene No.	102947	Strand	-
Start	1	End	1504
Name	OJ991112_18.0419.C56.o1.ts	Method	TBLASTX:Soybean
Start	239	End	717
GI	none	Score	168
Exons	239..352, 406..717, 422..712		

Seq. No.	48363	Seq. ID	OJ991112_18.0419.C56
Gene No.	102947	Strand	-
Start	1	End	1504
Name	OJ991112_18.0419.C56.o1.tc	Method	TBLASTX:Cress
Start	269	End	702
GI	none	Score	63
Exons	269..352, 409..702, 416..562		

Seq. No.	48363	Seq. ID	OJ991112_18.0419.C56
Gene No.	102947	Strand	-
Start	1	End	1504
Name	OJ991112_18.0419.C56.o1.gs	Method	GENSCAN
Start	274	End	1481
GI	none	Score	.66
Exons	274..1353, 1359..1481		

Seq. No.	48363	Seq. ID	OJ991112_18.0419.C56
Gene No.	102947	Strand	-
Start	1	End	1504
Name	OJ991112_18.0419.C56.o1.tm	Method	TBLASTX:Maize
Start	323	End	748
GI	none	Score	47
Exons	323..361, 323..364, 324..365, 353..748, 353..517, 354..536, 355..744		

Seq. No.	48363	Seq. ID	OJ991112_18.0419.C56
Gene No.	102947	Strand	-
Start	1	End	1504
Name	OJ991112_18.0419.C56.o2.tw	Method	TBLASTX:Wheat
Start	391	End	951
GI	none	Score	41
Exons	391..480, 407..484, 487..750, 587..736, 811..951		

Seq. No.	48363	Seq. ID	OJ991112_18.0419.C56
Gene No.	102947	Strand	-
Start	1	End	1504
Name	OJ991112_18.0419.C56.o2.ts	Method	TBLASTX:Soybean
Start	811	End	1086
GI	none	Score	195
Exons	811..1086, 910..990		

Seq. No.	48363	Seq. ID	OJ991112_18.0419.C56
Gene No.	102947	Strand	-
Start	1	End	1504
Name	OJ991112_18.0419.C56.o1.tw	Method	TBLASTX:Wheat
Start	1024	End	1476
GI	none	Score	38
Exons	1024..1104, 1025..1099, 1084..1344, 1109..1360, 1111..1359, 1378..1476, 1395..1475		

Seq. No.	48363	Seq. ID	OJ991112_18.0419.C56
Gene No.	102947	Strand	-
Start	1	End	1504
Name	OJ991112_18.0419.C56.o2.tm	Method	TBLASTX:Maize
Start	1147	End	1374
GI	none	Score	247
Exons	1147..1371, 1148..1372, 1156..1374		

Seq. No.	48364	Seq. ID	OJ991112_18.0419.C57
Gene No.	102948	Strand	+
Start	2053	End	2706
Name	OJ991112_18.0419.C57.o1.gs	Method	GENSCAN
Start	2053	End	2706
GI	none	Score	.89
Exons	2053..2706		

Seq. No.	48364	Seq. ID	OJ991112_18.0419.C57
Gene No.	102948	Strand	+
Start	2053	End	2706
Name	OJ991112_18.0419.C57.o1.np	Method	AAT/NAP
Start	2252	End	2618
GI	4206200	Score	103
Exons	2252..2618		
GI Descrip.	(AF071527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48365	Seq. ID	OJ991112_18.0419.C59
Gene No.	102949	Strand	-
Start	78	End	785
Name	OJ991112_18.0419.C59.o1.gs	Method	GENSCAN
Start	78	End	785
GI	none	Score	.59

Exons	78..127, 704..785		
Seq. No.	48366	Seq. ID	OJ991112_18.0419.C63
Gene No.	102950	Strand	+
Start	56	End	621
Name	OJ991112_18.0419.C63.o1.gs	Method	GENSCAN
Start	56	End	621
GI	none	Score	.6
Exons	56..621		
Seq. No.	48366	Seq. ID	OJ991112_18.0419.C63
Gene No.	102951	Strand	-
Start	1	End	719
Name	OJ991112_18.0419.C63.o1.np	Method	AAT/NAP
Start	1	End	719
GI	7228457	Score	987
Exons	1..357, 421..719		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	48366	Seq. ID	OJ991112_18.0419.C63
Gene No.	102951	Strand	-
Start	1	End	719
Name	OJ991112_18.0419.C63.o1.tm	Method	TBLASTX:Maize
Start	2	End	219
GI	none	Score	72
Exons	2..97, 9..89, 79..219		
Seq. No.	48366	Seq. ID	OJ991112_18.0419.C63
Gene No.	102951	Strand	-
Start	1	End	719
Name	OJ991112_18.0419.C63.o1.tw	Method	TBLASTX:Wheat
Start	2	End	349
GI	none	Score	58
Exons	2..97, 2..97, 79..348, 92..349		
Seq. No.	48366	Seq. ID	OJ991112_18.0419.C63
Gene No.	102951	Strand	-
Start	1	End	719
Name	OJ991112_18.0419.C63.o2.tm	Method	TBLASTX:Maize
Start	223	End	391
GI	none	Score	153
Exons	223..387, 224..391		
Seq. No.	48367	Seq. ID	OJ991112_18.0419.C64
Gene No.	102952	Strand	+
Start	2787	End	5634
Name	OJ991112_18.0419.C64.o1.gs	Method	GENSCAN
Start	2787	End	5500
GI	none	Score	.49
Exons	2787..2873, 4887..4968, 5047..5154, 5184..5500		
Seq. No.	48367	Seq. ID	OJ991112_18.0419.C64
Gene No.	102952	Strand	+
Start	2787	End	5634
Name	OJ991112_18.0419.C64.o1.np	Method	AAT/NAP

Start	4676	End	5634
GI	6979326	Score	169
Exons	4676..4934, 5149..5634		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	48368	Seq. ID	OJ991112_18.0419.C65
Gene No.	102953	Strand	+
Start	396	End	570
Name	OJ991112_18.0419.C65.o1.gs	Method	GENSCAN
Start	396	End	570
GI	none	Score	.89
Exons	396..570		

Seq. No.	48368	Seq. ID	OJ991112_18.0419.C65
Gene No.	102954	Strand	-
Start	1459	End	1635
Name	OJ991112_18.0419.C65.o2.gs	Method	GENSCAN
Start	1459	End	1635
GI	none	Score	.88
Exons	1459..1635		

Seq. No.	48369	Seq. ID	OJ991112_18.0419.C66
Gene No.	102955	Strand	+
Start	3791	End	4349
Name	OJ991112_18.0419.C66.o1.np	Method	AAT/NAP
Start	3791	End	4349
GI	7106528	Score	478
Exons	3791..4205, 4234..4349		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48370	Seq. ID	OJ991112_18.0419.C71
Gene No.	102956	Strand	-
Start	240	End	719
Name	OJ991112_18.0419.C71.o1.gs	Method	GENSCAN
Start	240	End	719
GI	none	Score	.5
Exons	240..719		

Seq. No.	48371	Seq. ID	OJ991112_18.0419.C73
Gene No.	102957	Strand	+
Start	1	End	949
Name	OJ991112_18.0419.C73.o1.np	Method	AAT/NAP
Start	1	End	949
GI	5295971	Score	1541
Exons	1..949		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	48371	Seq. ID	OJ991112_18.0419.C73
Gene No.	102958	Strand	-
Start	152	End	947
Name	OJ991112_18.0419.C73.o2.tm	Method	TBLASTX:Maize
Start	3	End	370
GI	none	Score	49
Exons	3..26, 3..26, 25..108, 27..107, 102..368, 105..368, 107..370		

Seq. No.	48371	Seq. ID	OJ991112_18.0419.C73
Gene No.	102958	Strand	-
Start	152	End	947
Name	OJ991112_18.0419.C73.o1.tw	Method	TBLASTX:Wheat
Start	105	End	479
GI	none	Score	94
Exons	105..260, 285..479		

Seq. No.	48371	Seq. ID	OJ991112_18.0419.C73
Gene No.	102958	Strand	-
Start	152	End	947
Name	OJ991112_18.0419.C73.o1.gp	Method	AAT/GAP
Start	152	End	606
GI	36280_1.R1084	Score	850
Exons	152..606		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	48371	Seq. ID	OJ991112_18.0419.C73
Gene No.	102958	Strand	-
Start	152	End	947
Name	OJ991112_18.0419.C73.o1.tc	Method	TBLASTX:Cress
Start	285	End	947
GI	none	Score	255
Exons	285..572, 347..457, 479..571, 581..658, 582..662, 729..947, 737..943		

Seq. No.	48371	Seq. ID	OJ991112_18.0419.C73
Gene No.	102958	Strand	-
Start	152	End	947
Name	OJ991112_18.0419.C73.o1.ts	Method	TBLASTX:Soybean
Start	306	End	944
GI	none	Score	147
Exons	306..467, 479..640, 480..641, 723..944, 737..823		

Seq. No.	48371	Seq. ID	OJ991112_18.0419.C73
Gene No.	102958	Strand	-
Start	152	End	947
Name	OJ991112_18.0419.C73.o3.tm	Method	TBLASTX:Maize
Start	372	End	551
GI	none	Score	195
Exons	372..551, 374..550		

Seq. No.	48371	Seq. ID	OJ991112_18.0419.C73
Gene No.	102958	Strand	-
Start	152	End	947
Name	OJ991112_18.0419.C73.o2.tw	Method	TBLASTX:Wheat
Start	498	End	917
GI	none	Score	120
Exons	498..668, 581..658, 714..917, 723..905		

Seq. No.	48371	Seq. ID	OJ991112_18.0419.C73
Gene No.	102958	Strand	-
Start	152	End	947

Name	OJ991112_18.0419.C73.o1.tm	Method	TBLASTX:Maize
Start	557	End	946
GI	none	Score	520
Exons	557..664, 558..944, 560..946, 589..822, 651..944		

Seq. No.	48372	Seq. ID	OJ991112_18.0419.C75
Gene No.	102959	Strand	+
Start	288	End	396
Name	OJ991112_18.0419.C75.o1.np	Method	AAT/NAP
Start	288	End	396
GI	6006359	Score	45
Exons	288..396		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	48372	Seq. ID	OJ991112_18.0419.C75
Gene No.	102960	Strand	-
Start	294	End	518
Name	OJ991112_18.0419.C75.o1.gs	Method	GENSCAN
Start	294	End	518
GI	none	Score	.49
Exons	294..518		

Seq. No.	48373	Seq. ID	OJ991112_19.0419.C19
Gene No.	102961	Strand	+
Start	1	End	790
Name	OJ991112_19.0419.C19.o1.np	Method	AAT/NAP
Start	1	End	790
GI	7228457	Score	1176
Exons	1..352, 416..790		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48373	Seq. ID	OJ991112_19.0419.C19
Gene No.	102962	Strand	-
Start	15	End	790
Name	OJ991112_19.0419.C19.o2.tw	Method	TBLASTX:Wheat
Start	5	End	256
GI	none	Score	267
Exons	5..256, 13..228		

Seq. No.	48373	Seq. ID	OJ991112_19.0419.C19
Gene No.	102962	Strand	-
Start	15	End	790
Name	OJ991112_19.0419.C19.o1.gs	Method	GENSCAN
Start	15	End	718
GI	none	Score	.53
Exons	15..87, 152..718		

Seq. No.	48373	Seq. ID	OJ991112_19.0419.C19
Gene No.	102962	Strand	-
Start	15	End	790
Name	OJ991112_19.0419.C19.o1.tw	Method	TBLASTX:Wheat
Start	423	End	790
GI	none	Score	144
Exons	423..782, 424..789, 425..790		

Seq. No.	48373	Seq. ID	OJ991112_19.0419.C19
Gene No.	102962	Strand	-
Start	15	End	790
Name	OJ991112_19.0419.C19.o1.tm	Method	TBLASTX:Maize
Start	554	End	787
GI	none	Score	262
Exons	554..787, 589..786		

Seq. No.	48374	Seq. ID	OJ991112_11.0421.C1
Gene No.	102963	Strand	-
Start	218	End	312
Name	OJ991112_11.0421.C1.o1.gp	Method	AAT/GAP
Start	218	End	312
GI	LIB3477-003-P1-K1-E9	Score	150
Exons	218..312		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102964	Strand	+
Start	130	End	3573
Name	OJ991112_11.0421.C2.o1.gp	Method	AAT/GAP
Start	130	End	274
GI	LIB3474-003-P1-K1-H9	Score	255
Exons	130..274		
GI Descrip.	'5734630/dbj|BAA83361.1| 5.0e-24 (AP000391) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F25I24 (AL049525) [Oryza sativa]'		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102964	Strand	+
Start	130	End	3573
Name	OJ991112_11.0421.C2.o1.np	Method	AAT/NAP
Start	130	End	2096
GI	5734631	Score	892
Exons	130..337, 970..1068, 1353..1430, 1902..2096		
GI Descrip.	(AP000391) ESTs AU030224(E50782),AU077702(E50782) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone T29A15 (AL035602) [Oryza sativa]		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102964	Strand	+
Start	130	End	3573
Name	OJ991112_11.0421.C2.o1.gs	Method	GENSCAN
Start	152	End	3573
GI	none	Score	.62
Exons	152..337, 970..1068, 1353..1430, 1902..2030, 3271..3573		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102964	Strand	+
Start	130	End	3573
Name	OJ991112_11.0421.C2.o2.gp	Method	AAT/GAP
Start	1902	End	2450
GI	3763472	Score	906
Exons	1902..2450		
GI Descrip.	5734631/dbj|BAA83362.1| 2.0e-09 (AP000391) ESTs		

AU030224(E50782),AU077702(E50782) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone T29A15 (AL035602) [Oryza sativa]

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102965	Strand	+
Start	3993	End	5479
Name	OJ991112_11.0421.C2.o2.gs	Method	GENSCAN
Start	3993	End	5294
GI	none	Score	.97
Exons	3993..5294		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102965	Strand	+
Start	3993	End	5479
Name	OJ991112_11.0421.C2.o2.np	Method	AAT/NAP
Start	3993	End	5291
GI	5734630	Score	2221
Exons	3993..5291		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F25I24 (AL049525) [Oryza sativa]		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102965	Strand	+
Start	3993	End	5479
Name	OJ991112_11.0421.C2.o3.gp	Method	AAT/GAP
Start	5064	End	5479
GI	2799765	Score	708
Exons	5064..5479		
GI Descrip.	5734630/dbj|BAA83361.1| 5.0e-24 (AP000391) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F25I24 (AL049525) [Oryza sativa]		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102966	Strand	+
Start	11405	End	11862
Name	OJ991112_11.0421.C2.o4.gp	Method	AAT/GAP
Start	11405	End	11862
GI	LIB3432-059-P1-K1-D8	Score	767
Exons	11405..11862		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102967	Strand	-
Start	7636	End	10430
Name	OJ991112_11.0421.C2.o3.gs	Method	GENSCAN
Start	7636	End	9578
GI	none	Score	.91
Exons	7636..7931, 8252..8298, 8335..8474, 8976..9137, 9197..9356, 9478..9578		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102967	Strand	-
Start	7636	End	10430
Name	OJ991112_11.0421.C2.o3.np	Method	AAT/NAP
Start	7692	End	10430

GI	5734629	Score	1408
Exons	7692..7931, 8976..9057, 9197..9356, 9478..9557, 10069..10430		
GI Descrip.	(AP000391) Similar to ribitol dehydrogenase isolog (AC002343) [Oryza sativa]		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102967	Strand	-
Start	7636	End	10430
Name	OJ991112_11.0421.C2.o4.gs	Method	GENSCAN
Start	10050	End	10430
GI	none	Score	.83
Exons	10050..10430		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102968	Strand	-
Start	14773	End	14851
Name	OJ991112_11.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	131	End	2154
GI	none	Score	255
Exons	131..355, 136..342, 969..1052, 970..1065, 977..1069, 1899..1967, 1900..1968, 1966..2154, 1971..2108		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102968	Strand	-
Start	14773	End	14851
Name	OJ991112_11.0421.C2.o2.ts	Method	TBLASTX:Soybean
Start	200	End	2061
GI	none	Score	191
Exons	200..355, 202..315, 970..1065, 978..1076, 1890..1964, 1900..1968, 1965..2054, 1966..2061		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102968	Strand	-
Start	14773	End	14851
Name	OJ991112_11.0421.C2.o3.tm	Method	TBLASTX:Maize
Start	1940	End	2281
GI	none	Score	169
Exons	1940..2116, 1941..2117, 1942..2121, 1942..2121, 2148..2276, 2162..2281, 2165..2251, 2173..2274		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102968	Strand	-
Start	14773	End	14851
Name	OJ991112_11.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	4428	End	5451
GI	none	Score	1098
Exons	4428..5276, 4431..5273, 5300..5335, 5379..5447, 5380..5448, 5386..5451		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102968	Strand	-
Start	14773	End	14851
Name	OJ991112_11.0421.C2.o1.ts	Method	TBLASTX:Soybean
Start	4755	End	5132
GI	none	Score	210
Exons	4755..5033, 4796..4837, 4889..5020, 5061..5132		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102968	Strand	-
Start	14773	End	14851
Name	OJ991112_11.0421.C2.o2.tm	Method	TBLASTX:Maize
Start	9190	End	9571
GI	none	Score	58
Exons	9190..9237, 9191..9238, 9238..9357, 9239..9385, 9467..9571, 9477..9563		

Seq. No.	48375	Seq. ID	OJ991112_11.0421.C2
Gene No.	102968	Strand	-
Start	14773	End	14851
Name	OJ991112_11.0421.C2.o4.np	Method	AAT/NAP
Start	14773	End	14851
GI	5852084	Score	70
Exons	14773..14851		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	48376	Seq. ID	OJ991112_11.0421.C3
Gene No.	102969	Strand	+
Start	264	End	381
Name	OJ991112_11.0421.C3.o1.gs	Method	GENSCAN
Start	264	End	381
GI	none	Score	.74
Exons	264..381		

Seq. No.	48376	Seq. ID	OJ991112_11.0421.C3
Gene No.	102970	Strand	-
Start	280	End	3531
Name	OJ991112_11.0421.C3.o1.np	Method	AAT/NAP
Start	280	End	3531
GI	5734628	Score	2062
Exons	280..362, 2373..3531		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	48376	Seq. ID	OJ991112_11.0421.C3
Gene No.	102970	Strand	-
Start	280	End	3531
Name	OJ991112_11.0421.C3.o1.gp	Method	AAT/GAP
Start	2253	End	2623
GI	LIB3433-009-Q6-K1-E9	Score	699
Exons	2253..2623		
GI Descrip.	'5734628/dbj|BAA83359.1| 4.0e-34 (AP000391) hypothetical protein [Oryza sativa]'		

Seq. No.	48376	Seq. ID	OJ991112_11.0421.C3
Gene No.	102970	Strand	-
Start	280	End	3531
Name	OJ991112_11.0421.C3.o2.gs	Method	GENSCAN
Start	2350	End	3531
GI	none	Score	.96
Exons	2350..3531		

Seq. No.	48376	Seq. ID	OJ991112_11.0421.C3
Gene No.	102971	Strand	-
Start	5756	End	6124
Name	OJ991112_11.0421.C3.o1.tm	Method	TBLASTX:Maize

Start	2377	End	2853
GI	none	Score	298
Exons	2377..2703, 2377..2703, 2752..2853		

Seq. No.	48376	Seq. ID	OJ991112_11.0421.C3
Gene No.	102971	Strand	-
Start	5756	End	6124
Name	OJ991112_11.0421.C3.o3.gs	Method	GENSCAN
Start	5756	End	6124
GI	none	Score	.64
Exons	5756..5907, 6076..6124		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102972	Strand	+
Start	1	End	91
Name	OJ991112_11.0421.C4.o1.np	Method	AAT/NAP
Start	1	End	91
GI	5734627	Score	139
Exons	1..91		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102973	Strand	+
Start	5	End	844
Name	OJ991112_11.0421.C4.o1.gs	Method	GENSCAN
Start	5	End	844
GI	none	Score	.58
Exons	5..90, 763..844		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102973	Strand	+
Start	5	End	844
Name	OJ991112_11.0421.C4.o1.gp	Method	AAT/GAP
Start	229	End	469
GI	LIB3433-023-P1-K1-A12	Score	454
Exons	229..469		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 5.0e-95 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102974	Strand	+
Start	8921	End	9270
Name	OJ991112_11.0421.C4.o3.np	Method	AAT/NAP
Start	8921	End	9270
GI	5734625	Score	530
Exons	8921..9270		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102975	Strand	+
Start	13888	End	14332
Name	OJ991112_11.0421.C4.o4.gs	Method	GENSCAN
Start	13888	End	14196
GI	none	Score	.51
Exons	13888..14196		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4

Gene No.	102975	Strand	+
Start	13888	End	14332
Name	OJ991112_11.0421.C4.o5.np	Method	AAT/NAP
Start	13888	End	14332
GI	5734623	Score	500
Exons	13888..14190, 14311..14332		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102976	Strand	-
Start	1405	End	6022
Name	OJ991112_11.0421.C4.o2.gs	Method	GENSCAN
Start	1405	End	6022
GI	none	Score	.9
Exons	1405..1739, 2415..2518, 2670..2876, 2906..2952, 3397..3607, 3681..3793, 4129..4188, 5846..6022		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102976	Strand	-
Start	1405	End	6022
Name	OJ991112_11.0421.C4.o2.np	Method	AAT/NAP
Start	1408	End	6022
GI	5734626	Score	1710
Exons	1408..1739, 2415..2518, 2670..2746, 3397..3607, 3681..3793, 4129..4188, 5846..6022		
GI Descrip.	(AP000391) Similar to mouse ankyrin 3 (AC005727) [Oryza sativa]		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102977	Strand	-
Start	6058	End	6291
Name	OJ991112_11.0421.C4.o2.gp	Method	AAT/GAP
Start	6058	End	6291
GI	568537	Score	423
Exons	6058..6291		
GI Descrip.	5734616/dbj|AP000391.1|AP000391 5.0e-95 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102978	Strand	-
Start	10936	End	14098
Name	OJ991112_11.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	1612	End	2503
GI	none	Score	114
Exons	1612..1737, 1616..1729, 1642..1737, 2416..2463, 2417..2503		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102978	Strand	-
Start	10936	End	14098
Name	OJ991112_11.0421.C4.o2.tm	Method	TBLASTX:Maize
Start	1624	End	2955
GI	none	Score	132
Exons	1624..1737, 1625..1729, 1628..1738, 1642..1737, 2416..2505, 2417..2494, 2669..2812, 2670..2813, 2682..2816, 2689..2814, 2903..2953, 2905..2955, 2905..2955		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102978	Strand	-

Start	10936	End	14098
Name	OJ991112_11.0421.C4.o1.ts	Method	TBLASTX:Soybean
Start	2723	End	6022
GI	none	Score	79
Exons	2723..2812, 2724..2813, 2905..2955, 3391..3468, 3398..3469, 3490..3615, 3491..3610, 3520..3582, 3719..3811, 3732..3794, 3860..3952, 3863..3955, 3877..3954, 4123..4191, 4129..4206, 4149..4223, 5843..6022, 5847..5924		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102978	Strand	-
Start	10936	End	14098
Name	OJ991112_11.0421.C4.o3.tm	Method	TBLASTX:Maize
Start	3391	End	6023
GI	none	Score	72
Exons	3391..3453, 3391..3459, 3401..3460, 3484..3609, 3485..3613, 3520..3603, 3719..3811, 3719..3763, 3735..3809, 3836..3955, 3865..3954, 3879..3965, 4123..4188, 5843..6022, 5847..6023		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102978	Strand	-
Start	10936	End	14098
Name	OJ991112_11.0421.C4.o4.np	Method	AAT/NAP
Start	10491	End	13249
GI	7494794	Score	98
Exons	10491..10561, 11836..11996, 13219..13249		
GI Descrip.	hypothetical protein B0261.4 - Caenorhabditis elegans gi|1938549|gb|AAB52351.1| (U97016) similar to drosophila Rlc1 gene product (NID:g563361) and S. cerevisiae mitochondrial 60S ribosomal protein L4 (YML4) (NID:g459259) [Caenorhabditis elegans]		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102978	Strand	-
Start	10936	End	14098
Name	OJ991112_11.0421.C4.o2.ts	Method	TBLASTX:Soybean
Start	10931	End	11995
GI	none	Score	139
Exons	10931..11044, 10936..11046, 10937..11044, 11833..11994, 11834..11995		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102978	Strand	-
Start	10936	End	14098
Name	OJ991112_11.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	10934	End	14098
GI	none	Score	160
Exons	10934..11044, 10934..11044, 10935..11045, 10936..11046, 10936..11046, 11829..11987, 11833..11994, 11834..11995, 13903..13977, 13904..13972, 14039..14098		

Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102978	Strand	-
Start	10936	End	14098
Name	OJ991112_11.0421.C4.o3.gs	Method	GENSCAN
Start	10936	End	13055
GI	none	Score	.68

Exons	10936..11043, 11836..11993, 12365..12441, 12826..13055		
Seq. No.	48377	Seq. ID	OJ991112_11.0421.C4
Gene No.	102978	Strand	-
Start	10936	End	14098
Name	OJ991112_11.0421.C4.o1.tc	Method	TBLASTX:Cress
Start	11833	End	11995
GI	none	Score	119
Exons	11833..11991, 11833..11994, 11834..11995		
Seq. No.	48378	Seq. ID	OJ991112_11.0421.C5
Gene No.	102979	Strand	-
Start	1	End	941
Name	OJ991112_11.0421.C5.o1.np	Method	AAT/NAP
Start	1	End	940
GI	5734622	Score	968
Exons	1..435, 748..940		
GI Descrip.	(AP000391) Similar to Hypothetical 81.7 KD protein in MOL1-NAT2 intergenic region &SCCVIIRA_2 (P48234) [Oryza sativa]		
Seq. No.	48378	Seq. ID	OJ991112_11.0421.C5
Gene No.	102979	Strand	-
Start	1	End	941
Name	OJ991112_11.0421.C5.o1.gs	Method	GENSCAN
Start	42	End	938
GI	none	Score	.97
Exons	42..133, 192..253, 301..435, 748..938		
Seq. No.	48378	Seq. ID	OJ991112_11.0421.C5
Gene No.	102979	Strand	-
Start	1	End	941
Name	OJ991112_11.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	151	End	941
GI	none	Score	55
Exons	151..213, 153..221, 154..228, 254..304, 256..312, 306..437, 313..438, 314..436, 315..437, 746..817, 747..941, 747..941		
Seq. No.	48379	Seq. ID	OJ991112_11.0421.C6
Gene No.	102980	Strand	-
Start	1	End	1716
Name	OJ991112_11.0421.C6.o1.np	Method	AAT/NAP
Start	1	End	144
GI	5734622	Score	147
Exons	1..144		
GI Descrip.	(AP000391) Similar to Hypothetical 81.7 KD protein in MOL1-NAT2 intergenic region &SCCVIIRA_2 (P48234) [Oryza sativa]		
Seq. No.	48379	Seq. ID	OJ991112_11.0421.C6
Gene No.	102980	Strand	-
Start	1	End	1716
Name	OJ991112_11.0421.C6.o2.np	Method	AAT/NAP
Start	1	End	1716
GI	6911869	Score	445
Exons	1..214, 313..401, 653..811, 891..1061, 1160..1268, 1583..1716		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		
Seq. No.	48379	Seq. ID	OJ991112_11.0421.C6

Gene No.	102980	Strand	-
Start	1	End	1716
Name	OJ991112_11.0421.C6.o1.gs	Method	GENSCAN
Start	67	End	1661
GI	none	Score	.63
Exons	67..214, 309..391, 653..811, 891..1061, 1160..1268, 1583..1661		

Seq. No.	48379	Seq. ID	OJ991112_11.0421.C6
Gene No.	102980	Strand	-
Start	1	End	1716
Name	OJ991112_11.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	752	End	1062
GI	none	Score	135
Exons	752..811, 889..1062, 891..1061		

Seq. No.	48379	Seq. ID	OJ991112_11.0421.C6
Gene No.	102980	Strand	-
Start	1	End	1716
Name	OJ991112_11.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	889	End	1638
GI	none	Score	148
Exons	889..1062, 891..1061, 1163..1267, 1167..1271, 1582..1638		

Seq. No.	48379	Seq. ID	OJ991112_11.0421.C6
Gene No.	102980	Strand	-
Start	1	End	1716
Name	OJ991112_11.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	978	End	1271
GI	none	Score	121
Exons	978..1061, 978..1061, 979..1062, 1160..1267, 1161..1271		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102981	Strand	+
Start	1	End	11646
Name	OJ991112_11.0421.C7.o1.np	Method	AAT/NAP
Start	1	End	11643
GI	5734643	Score	3744
Exons	1..284, 1208..1423, 2282..2350, 2447..2575, 3109..3561, 4010..4264, 4693..4811, 5552..5701, 5825..5981, 6390..6498, 7469..7569, 8389..8559, 8870..8939, 9407..9469, 9551..9625, 10266..10338, 10935..11043, 11541..11643		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F7H19 (AL031018) [Oryza sativa]		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102981	Strand	+
Start	1	End	11646
Name	OJ991112_11.0421.C7.o1.gs	Method	GENSCAN
Start	1214	End	11646
GI	none	Score	.58
Exons	1214..1423, 2282..2350, 2447..2575, 3109..3561, 4010..4264, 4693..4811, 5552..5701, 5825..5981, 6390..6498, 7469..7569, 8389..8559, 8870..8939, 9407..9469, 9551..9625, 10266..10338, 10935..11043, 11541..11646		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102981	Strand	+

Start	1	End	11646
Name	OJ991112_11.0421.C7.o1.gp	Method	AAT/GAP
Start	3933	End	4111
GI	44045_1.R1084	Score	325
Exons	3933..4111		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-92 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102982	Strand	-
Start	11683	End	20353
Name	OJ991112_11.0421.C7.o2.gp	Method	AAT/GAP
Start	11683	End	13097
GI	27118_1.R1084	Score	2241
Exons	11683..12472, 12605..12975, 13058..13097		
GI Descrip.	'5734642/dbj|BAA83373.1| 5.0e-69 (AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] >gi_6006357_dbj_BAA84787.1_ (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa]'		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102982	Strand	-
Start	11683	End	20353
Name	OJ991112_11.0421.C7.o2.gs	Method	GENSCAN
Start	12120	End	20353
GI	none	Score	.69
Exons	12120..12473, 12605..12975, 13058..13396, 13502..13633, 13719..13836, 13881..13962, 14039..14110, 14200..14271, 14368..14439, 14552..14623, 14715..14786, 14901..14972, 15061..15132, 15215..15286, 15371..15442, 15723..15794, 15912..15980, 16224..16295, 16676..16747, 17029..17100, 17543..17607, 18035..18373, 18387..18524, 20291..20353		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102982	Strand	-
Start	11683	End	20353
Name	OJ991112_11.0421.C7.o2.np	Method	AAT/NAP
Start	12123	End	18273
GI	5734642	Score	4453
Exons	12123..12473, 12605..12975, 13058..13396, 13502..13633, 13719..13836, 13881..13962, 14039..14110, 14200..14271, 14368..14439, 14552..14623, 14715..14786, 14901..14972, 15061..15132, 15215..15286, 15371..15442, 15526..15597, 15723..15794, 15912..15980, 16065..16136, 16224..16295, 16393..16464, 16676..16747, 17029..17100, 17201..17272, 17497..17568, 18035..18273		
GI Descrip.	(AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] gi|6006357|dbj|BAA84787.1| (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa]		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102983	Strand	-
Start	22161	End	24944
Name	OJ991112_11.0421.C7.o1.tc	Method	TBLASTX:Cress
Start	12126	End	18096
GI	none	Score	142
Exons	12126..12182, 12294..12473, 12310..12474, 12590..12976, 12602..12967, 12615..12977, 13031..13366, 13044..13382, 13056..13391, 13240..13392, 14074..14106, 14199..14270, 14199..14270, 14208..14270, 14368..14442, 14376..14438, 14376..14438, 14551..14622, 14551..14628, 14558..14635, 14714..14791, 14900..14971, 15060..15131, 15362..15442, 15370..15441, 15379..15438, 15528..15596, 15537..15596, 15722..15793, 15723..15794, 15911..16021, 15912..15992, 16064..16147, 16064..16147, 16074..16136, 16226..16309, 16392..16463, 16392..16463, 16393..16464, 16675..16746, 16675..16746, 16679..16747, 17049..17099, 17053..17130, 17064..17132, 17195..17281, 17200..17280, 17200..17271, 17487..17567, 17506..17565, 18034..18096		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102983	Strand	-
Start	22161	End	24944
Name	OJ991112_11.0421.C7.o4.ts	Method	TBLASTX:Soybean
Start	12285	End	12474
GI	none	Score	142
Exons	12285..12473, 12292..12474		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102983	Strand	-
Start	22161	End	24944
Name	OJ991112_11.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	12295	End	14785
GI	none	Score	162
Exons	12295..12474, 12306..12473, 12584..12976, 12605..12748, 12615..12977, 12798..12980, 13056..13145, 13057..13137, 13131..13400, 13135..13191, 13140..13382, 13240..13398, 13741..13791, 13749..13793, 13877..13951, 13881..13952, 14038..14097, 14208..14270, 14368..14436, 14376..14438, 14551..14622, 14732..14785		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102983	Strand	-
Start	22161	End	24944
Name	OJ991112_11.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	12624	End	13401
GI	none	Score	355
Exons	12624..12977, 12626..12976, 13056..13391, 13056..13394, 13063..13401, 13240..13395		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102983	Strand	-
Start	22161	End	24944
Name	OJ991112_11.0421.C7.o1.tw	Method	TBLASTX:Wheat
Start	12632	End	12956
GI	none	Score	197
Exons	12632..12955, 12633..12956		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102983	Strand	-
Start	22161	End	24944
Name	OJ991112_11.0421.C7.o3.ts	Method	TBLASTX:Soybean
Start	13877	End	15745
GI	none	Score	51
Exons	13877..13951, 13916..13951, 14047..14106, 14059..14106, 14184..14261, 14199..14270, 14199..14270, 14199..14270, 14208..14270, 14368..14439, 14376..14438, 14385..14438, 14545..14622, 14549..14635, 14551..14622, 14714..14785, 14715..14786, 14900..14971, 15370..15441, 15370..15477, 15377..15478, 15388..15438, 15389..15442, 15526..15597, 15528..15596, 15537..15596, 15722..15745		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102983	Strand	-
Start	22161	End	24944
Name	OJ991112_11.0421.C7.o2.tm	Method	TBLASTX:Maize
Start	14900	End	17268
GI	none	Score	100
Exons	14900..14971, 14902..14976, 14907..14972, 15036..15131, 15061..15090, 15063..15131, 15067..15132, 15213..15281, 15216..15284, 15247..15285, 15248..15286, 15360..15440, 15370..15441, 15371..15439, 15526..15597, 15528..15596, 15722..15781, 15723..15782, 15725..15784, 15726..15791, 15727..15792, 17200..17268		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102983	Strand	-
Start	22161	End	24944
Name	OJ991112_11.0421.C7.o2.ts	Method	TBLASTX:Soybean
Start	15051	End	17271
GI	none	Score	56
Exons	15051..15131, 15761..15793, 15911..15979, 15915..15992, 16064..16147, 16074..16136, 16215..16313, 16226..16309, 16392..16463, 16393..16464, 16661..16747, 16675..16746, 17055..17099, 17200..17271		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102983	Strand	-
Start	22161	End	24944
Name	OJ991112_11.0421.C7.o3.gs	Method	GENSCAN
Start	22161	End	24590
GI	none	Score	.88
Exons	22161..22398, 24532..24590		

Seq. No.	48380	Seq. ID	OJ991112_11.0421.C7
Gene No.	102983	Strand	-
Start	22161	End	24944
Name	OJ991112_11.0421.C7.o3.np	Method	AAT/NAP
Start	22164	End	24944
GI	6006356	Score	397
Exons	22164..22398, 23282..23304, 24227..24249, 24919..24944		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	48381	Seq. ID	OJ991112_11.0421.C8

Gene No.	102984	Strand	-
Start	1	End	2439
Name	OJ991112_11.0421.C8.o2.np	Method	AAT/NAP
Start	1	End	2439
GI	5734641	Score	721
Exons	1..43, 1218..1325, 2051..2439		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	48381	Seq. ID	OJ991112_11.0421.C8
Gene No.	102984	Strand	-
Start	1	End	2439
Name	OJ991112_11.0421.C8.o1.np	Method	AAT/NAP
Start	298	End	1076
GI	6006356	Score	516
Exons	298..532, 990..1076		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	48381	Seq. ID	OJ991112_11.0421.C8
Gene No.	102984	Strand	-
Start	1	End	2439
Name	OJ991112_11.0421.C8.o1.gs	Method	GENSCAN
Start	1214	End	2224
GI	none	Score	.62
Exons	1214..1325, 1929..2224		

Seq. No.	48381	Seq. ID	OJ991112_11.0421.C8
Gene No.	102985	Strand	-
Start	2856	End	4054
Name	OJ991112_11.0421.C8.o1.gp	Method	AAT/GAP
Start	2856	End	3437
GI	1883_1.R1084	Score	958
Exons	2856..3266, 3348..3437		
GI Descrip.	'5734640/dbj|BAA83371.1| 6.0e-31 (AP000391) Similar to Arabidopsis thaliana chromosome II BAC F17K2 genomic sequence; hypothetical protein (AC003680) [Oryza sativa]'		

Seq. No.	48381	Seq. ID	OJ991112_11.0421.C8
Gene No.	102985	Strand	-
Start	2856	End	4054
Name	OJ991112_11.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	3148	End	3571
GI	none	Score	109
Exons	3148..3255, 3150..3266, 3151..3267, 3207..3269, 3345..3449, 3346..3450, 3348..3458, 3349..3450, 3527..3571, 3528..3560		

Seq. No.	48381	Seq. ID	OJ991112_11.0421.C8
Gene No.	102985	Strand	-
Start	2856	End	4054
Name	OJ991112_11.0421.C8.o2.gs	Method	GENSCAN
Start	3150	End	3564
GI	none	Score	.72
Exons	3150..3266, 3321..3448, 3529..3564		

Seq. No.	48381	Seq. ID	OJ991112_11.0421.C8
Gene No.	102985	Strand	-
Start	2856	End	4054
Name	OJ991112_11.0421.C8.o3.np	Method	AAT/NAP

Start	3153	End	4054
GI	5734640	Score	349
Exons	3153..3266, 3321..3448, 4029..4054		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana chromosome II BAC F17K2 genomic sequence; hypothetical protein (AC003680) [Oryza sativa]		

Seq. No.	48382	Seq. ID	OJ991112_11.0421.C9
Gene No.	102986	Strand	-
Start	64	End	5865
Name	OJ991112_11.0421.C9.o1.gp	Method	AAT/GAP
Start	64	End	1751
GI	LIB3431-038-P1-K1-G11	Score	669
Exons	64..168, 670..793, 1473..1553, 1636..1751		
GI Descrip.	'5734640/dbj|BAA83371.1| 2.0e-56 (AP000391) Similar to Arabidopsis thaliana chromosome II BAC F17K2 genomic sequence; hypothetical protein (AC003680) [Oryza sativa]'		

Seq. No.	48382	Seq. ID	OJ991112_11.0421.C9
Gene No.	102986	Strand	-
Start	64	End	5865
Name	OJ991112_11.0421.C9.o1.np	Method	AAT/NAP
Start	101	End	5733
GI	5734640	Score	1398
Exons	101..168, 670..793, 1636..1751, 1836..1931, 2020..2260, 5334..5425, 5505..5733		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana chromosome II BAC F17K2 genomic sequence; hypothetical protein (AC003680) [Oryza sativa]		

Seq. No.	48382	Seq. ID	OJ991112_11.0421.C9
Gene No.	102986	Strand	-
Start	64	End	5865
Name	OJ991112_11.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	101	End	1732
GI	none	Score	188
Exons	101..178, 668..796, 669..794, 1470..1553, 1470..1571, 1474..1572, 1630..1728, 1633..1719, 1634..1729, 1635..1727, 1703..1732		

Seq. No.	48382	Seq. ID	OJ991112_11.0421.C9
Gene No.	102986	Strand	-
Start	64	End	5865
Name	OJ991112_11.0421.C9.o1.gs	Method	GENSCAN
Start	119	End	5805
GI	none	Score	.78
Exons	119..168, 670..793, 1473..1553, 1636..1751, 1836..1931, 2020..2168, 2844..2909, 3647..3728, 5334..5425, 5513..5805		

Seq. No.	48382	Seq. ID	OJ991112_11.0421.C9
Gene No.	102986	Strand	-
Start	64	End	5865
Name	OJ991112_11.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	1515	End	1926
GI	none	Score	69
Exons	1515..1571, 1516..1572, 1633..1719, 1634..1753, 1703..1753, 1823..1924, 1834..1926, 1834..1923		

Seq. No.	48382	Seq. ID	OJ991112_11.0421.C9
Gene No.	102986	Strand	-
Start	64	End	5865
Name	OJ991112_11.0421.C9.o2.gp	Method	AAT/GAP
Start	5607	End	5865
GI	LIB3431-030-P1-K2-B4	Score	464
Exons	5607..5865		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-125 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	48383	Seq. ID	OJ991112_11.0421.C10
Gene No.	102987	Strand	+
Start	138	End	3942
Name	OJ991112_11.0421.C10.o1.gp	Method	AAT/GAP
Start	138	End	1491
GI	24984_1.R1084	Score	1420
Exons	138..509, 920..1135, 1346..1491		
GI Descrip.	'5734639/dbj|BAA83370.1| 4.0e-59 (AP000391) ESTs AU056036(S20239),C72753(E2173), AU056035(S20239) correspond to a region of the predicted gene.; Similar to putative cytochrome P-450 (AC003680) [Oryza sativa]'		

Seq. No.	48383	Seq. ID	OJ991112_11.0421.C10
Gene No.	102987	Strand	+
Start	138	End	3942
Name	OJ991112_11.0421.C10.o1.gs	Method	GENSCAN
Start	165	End	686
GI	none	Score	.57
Exons	165..686		

Seq. No.	48383	Seq. ID	OJ991112_11.0421.C10
Gene No.	102987	Strand	+
Start	138	End	3942
Name	OJ991112_11.0421.C10.o1.np	Method	AAT/NAP
Start	941	End	3571
GI	5734639	Score	1953
Exons	941..1135, 1346..1630, 1936..2273, 2810..3010, 3383..3571		
GI Descrip.	(AP000391) ESTs AU056036(S20239),C72753(E2173), AU056035(S20239) correspond to a region of the predicted gene.; Similar to putative cytochrome P-450 (AC003680) [Oryza sativa]		

Seq. No.	48383	Seq. ID	OJ991112_11.0421.C10
Gene No.	102987	Strand	+
Start	138	End	3942
Name	OJ991112_11.0421.C10.o2.gs	Method	GENSCAN
Start	941	End	3574
GI	none	Score	.49
Exons	941..1135, 1346..1630, 1936..2273, 2708..2780, 2810..3010, 3383..3574		

Seq. No.	48383	Seq. ID	OJ991112_11.0421.C10
Gene No.	102987	Strand	+
Start	138	End	3942
Name	OJ991112_11.0421.C10.o2.gp	Method	AAT/GAP
Start	1502	End	3942
GI	36849_1.R1084	Score	2340

Exons	1502..1630, 1936..2273, 2810..3010, 3383..3942		
GI Descrip.	'5734639/dbj|BAA83370.1| 2.0e-68 (AP000391) ESTs AU056036(S20239),C72753(E2173), AU056035(S20239) correspond to a region of the predicted gene.; Similar to putative cytochrome P-450 (AC003680) [Oryza sativa]'		
Seq. No.	48383	Seq. ID	OJ991112_11.0421.C10
Gene No.	102988	Strand	-
Start	4006	End	5501
Name	OJ991112_11.0421.C10.o1.ts	Method	TBLASTX:Soybean
Start	896	End	3535
GI	none	Score	103
Exons	896..1057, 1499..1606, 1992..2114, 1999..2133, 2810..3007, 2821..2970, 3380..3535		
Seq. No.	48383	Seq. ID	OJ991112_11.0421.C10
Gene No.	102988	Strand	-
Start	4006	End	5501
Name	OJ991112_11.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	946	End	1612
GI	none	Score	190
Exons	946..1110, 950..1141, 1343..1429, 1418..1612		
Seq. No.	48383	Seq. ID	OJ991112_11.0421.C10
Gene No.	102988	Strand	-
Start	4006	End	5501
Name	OJ991112_11.0421.C10.o2.tm	Method	TBLASTX:Maize
Start	2831	End	3562
GI	none	Score	174
Exons	2831..2959, 2842..2961, 2966..3007, 3380..3562, 3382..3444		
Seq. No.	48383	Seq. ID	OJ991112_11.0421.C10
Gene No.	102988	Strand	-
Start	4006	End	5501
Name	OJ991112_11.0421.C10.o1.tc	Method	TBLASTX:Cress
Start	3368	End	3559
GI	none	Score	216
Exons	3368..3559, 3380..3556		
Seq. No.	48383	Seq. ID	OJ991112_11.0421.C10
Gene No.	102988	Strand	-
Start	4006	End	5501
Name	OJ991112_11.0421.C10.o3.gp	Method	AAT/GAP
Start	4006	End	4884
GI	66754_1.R1084	Score	949
Exons	4006..4339, 4432..4558, 4809..4884		
GI Descrip.	'5734638/dbj|BAA83369.1| 4.0e-43 (AP000391) EST AU077859(S14590) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F17K2 genomic sequence; unknown protein (AC003680) [Oryza sativa]'		
Seq. No.	48383	Seq. ID	OJ991112_11.0421.C10
Gene No.	102988	Strand	-
Start	4006	End	5501
Name	OJ991112_11.0421.C10.o3.gs	Method	GENSCAN
Start	4208	End	5444
GI	none	Score	.92

Exons	4208..4339, 4432..4558, 4809..5005, 5242..5291, 5372..5444		
Seq. No.	48383	Seq. ID	OJ991112_11.0421.C10
Gene No.	102988	Strand	-
Start	4006	End	5501
Name	OJ991112_11.0421.C10.o2.np	Method	AAT/NAP
Start	4211	End	5501
GI	5734638	Score	967
Exons	4211..4339, 4432..4558, 4809..5040, 5242..5291, 5372..5501		
GI Descrip.	(AP000391) EST AU077859(S14590) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F17K2 genomic sequence; unknown protein (AC003680) [Oryza sativa]		
Seq. No.	48384	Seq. ID	OJ991112_11.0421.C11
Gene No.	102989	Strand	-
Start	490	End	596
Name	OJ991112_11.0421.C11.o1.np	Method	AAT/NAP
Start	490	End	596
GI	6721547	Score	72
Exons	490..596		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	48385	Seq. ID	OJ991112_11.0421.C12
Gene No.	102990	Strand	+
Start	153	End	2720
Name	OJ991112_11.0421.C12.o1.gs	Method	GENSCAN
Start	153	End	2528
GI	none	Score	.94
Exons	153..491, 609..686, 1373..1465, 1646..1744, 2253..2528		
Seq. No.	48385	Seq. ID	OJ991112_11.0421.C12
Gene No.	102990	Strand	+
Start	153	End	2720
Name	OJ991112_11.0421.C12.o1.np	Method	AAT/NAP
Start	153	End	2525
GI	5734637	Score	1485
Exons	153..491, 609..686, 1196..1288, 1373..1465, 1646..1744, 2253..2525		
GI Descrip.	(AP000391) ESTs AU029348(E30206),C74035(E30206) correspond to a region of the predicted gene.; Similar to lipase (U38916) [Oryza sativa]		
Seq. No.	48385	Seq. ID	OJ991112_11.0421.C12
Gene No.	102990	Strand	+
Start	153	End	2720
Name	OJ991112_11.0421.C12.o1.gp	Method	AAT/GAP
Start	1202	End	2720
GI	76147_1.R1084	Score	1363
Exons	1202..1288, 1373..1465, 1646..1744, 2253..2720		
GI Descrip.	'5734637/dbj|BAA83368.1| 4.0e-64 (AP000391) ESTs AU029348(E30206),C74035(E30206) correspond to a region of the predicted gene.; Similar to lipase (U38916) [Oryza sativa]'		
Seq. No.	48385	Seq. ID	OJ991112_11.0421.C12
Gene No.	102991	Strand	+
Start	6186	End	7602

Name	OJ991112_11.0421.C12.o3.np	Method	AAT/NAP
Start	6186	End	7602
GI	6907088	Score	413
Exons	6186..6308, 6485..6684, 7176..7602		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48385	Seq. ID	OJ991112_11.0421.C12
Gene No.	102992	Strand	-
Start	3524	End	4972
Name	OJ991112_11.0421.C12.o3.tm	Method	TBLASTX:Maize
Start	248	End	1744
GI	none	Score	43
Exons	248..283, 366..491, 371..490, 386..493, 592..636, 603..689, 606..689, 1150..1290, 1193..1291, 1370..1510, 1372..1467, 1373..1468, 1640..1705, 1643..1714, 1645..1713, 1706..1744		

Seq. No.	48385	Seq. ID	OJ991112_11.0421.C12
Gene No.	102992	Strand	-
Start	3524	End	4972
Name	OJ991112_11.0421.C12.o1.tc	Method	TBLASTX:Cress
Start	381	End	1744
GI	none	Score	107
Exons	381..491, 603..692, 1196..1291, 1198..1290, 1370..1513, 1373..1468, 1670..1744		

Seq. No.	48385	Seq. ID	OJ991112_11.0421.C12
Gene No.	102992	Strand	-
Start	3524	End	4972
Name	OJ991112_11.0421.C12.o1.ts	Method	TBLASTX:Soybean
Start	389	End	2471
GI	none	Score	110
Exons	389..487, 390..491, 603..677, 603..671, 617..694, 1150..1287, 1196..1288, 1310..1510, 1372..1470, 1376..1498, 1640..1738, 1643..1741, 1645..1749, 1645..1740, 2252..2461, 2253..2471		

Seq. No.	48385	Seq. ID	OJ991112_11.0421.C12
Gene No.	102992	Strand	-
Start	3524	End	4972
Name	OJ991112_11.0421.C12.o2.tm	Method	TBLASTX:Maize
Start	2233	End	2487
GI	none	Score	344
Exons	2233..2352, 2252..2461, 2253..2471, 2256..2471, 2446..2487		

Seq. No.	48385	Seq. ID	OJ991112_11.0421.C12
Gene No.	102992	Strand	-
Start	3524	End	4972
Name	OJ991112_11.0421.C12.o2.tc	Method	TBLASTX:Cress
Start	2292	End	2471
GI	none	Score	220
Exons	2292..2471, 2300..2452		

Seq. No.	48385	Seq. ID	OJ991112_11.0421.C12
Gene No.	102992	Strand	-
Start	3524	End	4972
Name	OJ991112_11.0421.C12.o2.np	Method	AAT/NAP
Start	3524	End	4937
GI	5734636	Score	1077

Exons	3524..4051, 4821..4937		
GI Descrip.	(AP000391) Similar to putative lipase (AC006232) [Oryza sativa]		
Seq. No.	48385	Seq. ID	OJ991112_11.0421.C12
Gene No.	102992	Strand	-
Start	3524	End	4972
Name	OJ991112_11.0421.C12.o1.tm	Method	TBLASTX:Maize
Start	3527	End	4972
GI	none	Score	190
Exons	3527..3799, 3528..3797, 3848..4057, 3855..4052, 4821..4967, 4822..4968, 4856..4972		
Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	102993	Strand	+
Start	1	End	611
Name	OJ991112_11.0421.C13.o1.np	Method	AAT/NAP
Start	1	End	175
GI	5734635	Score	283
Exons	1..175		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		
Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	102993	Strand	+
Start	1	End	611
Name	OJ991112_11.0421.C13.o2.np	Method	AAT/NAP
Start	1	End	611
GI	5922620	Score	162
Exons	1..51, 481..611		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	102994	Strand	+
Start	2658	End	3042
Name	OJ991112_11.0421.C13.o2.gs	Method	GENSCAN
Start	2658	End	3042
GI	none	Score	.58
Exons	2658..2759, 2818..3042		
Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	102995	Strand	+
Start	3356	End	4761
Name	OJ991112_11.0421.C13.o3.gs	Method	GENSCAN
Start	3356	End	4761
GI	none	Score	.41
Exons	3356..3623, 4607..4761		
Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	102996	Strand	+
Start	7644	End	7936
Name	OJ991112_11.0421.C13.o2.gp	Method	AAT/GAP
Start	7644	End	7936
GI	uC-osflcyp098g02a1	Score	400
Exons	7644..7936		

GI Descrip.	'5734616/dbj|AP000391.1|AP000391 5.0e-71 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	102997	Strand	+
Start	12769	End	13710
Name	OJ991112_11.0421.C13.o5.gs	Method	GENSCAN
Start	12769	End	13710
GI	none	Score	.97
Exons	12769..12814, 13021..13240, 13311..13430, 13494..13710		
Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	102998	Strand	-
Start	2343	End	2970
Name	OJ991112_11.0421.C13.o3.np	Method	AAT/NAP
Start	2343	End	2970
GI	5734634	Score	834
Exons	2343..2572, 2676..2970		
GI Descrip.	(AP000391) Similar to putative lipase (AC006232) [Oryza sativa]		
Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	102999	Strand	-
Start	7482	End	12076
Name	OJ991112_11.0421.C13.o4.gs	Method	GENSCAN
Start	7482	End	12076
GI	none	Score	.9
Exons	7482..7601, 7766..7908, 8166..8299, 8464..8654, 9066..9247, 9360..9661, 10081..10538, 10637..10741, 10896..11207, 11684..11804, 12024..12076		
Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	102999	Strand	-
Start	7482	End	12076
Name	OJ991112_11.0421.C13.o3.gp	Method	AAT/GAP
Start	7860	End	8392
GI	LIB3433-007-Q6-K1-E10	Score	785
Exons	7860..8060, 8166..8392		
GI Descrip.	'5002516/emb|CAB44319.1| 6.0e-27 (AL078606) putative protein [Arabidopsis thaliana]'		
Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	102999	Strand	-
Start	7482	End	12076
Name	OJ991112_11.0421.C13.o4.np	Method	AAT/NAP
Start	8430	End	12076
GI	5734633	Score	2773
Exons	8430..8654, 9066..9247, 9360..9661, 10081..10538, 10637..10741, 10896..11207, 11684..11804, 12024..12076		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F7H19 (AL031018) [Oryza sativa]		
Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	102999	Strand	-
Start	7482	End	12076
Name	OJ991112_11.0421.C13.o4.gp	Method	AAT/GAP
Start	9564	End	10119
GI	uC-osf1cyp098g02b1	Score	225

Exons	9564..9661, 10081..10119		
GI Descrip.	'5734633/dbj|BAA83364.1| 6.0e-16 (AP000391) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F7H19 (AL031018) [Oryza sativa]'		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o5.tm	Method	TBLASTX:Maize
Start	2370	End	2853
GI	none	Score	124
Exons	2370..2528, 2370..2528, 2377..2529, 2677..2730, 2678..2734, 2745..2765, 2791..2853, 2792..2848		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o1.tc	Method	TBLASTX:Cress
Start	7819	End	8254
GI	none	Score	215
Exons	7819..8061, 7820..8065, 8162..8254, 8164..8253		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o3.tm	Method	TBLASTX:Maize
Start	7822	End	8528
GI	none	Score	230
Exons	7822..8079, 7823..8065, 8164..8304, 8164..8304, 8463..8528		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o4.ts	Method	TBLASTX:Soybean
Start	7822	End	8187
GI	none	Score	192
Exons	7822..8061, 7829..8065, 7937..8062, 8164..8187, 8166..8186		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o2.ts	Method	TBLASTX:Soybean
Start	8463	End	9666
GI	none	Score	44
Exons	8463..8507, 8463..8543, 8464..8541, 8514..8654, 8515..8661, 8543..8656, 8550..8678, 8575..8661, 9063..9128, 9064..9129, 9199..9225, 9378..9665, 9389..9664, 9469..9666		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o4.tm	Method	TBLASTX:Maize
Start	8529	End	9499
GI	none	Score	133
Exons	8529..8651, 8529..8651, 8530..8652, 8533..8682, 9063..9128, 9064..9129, 9065..9133, 9195..9245, 9202..9246, 9209..9247, 9358..9423, 9359..9499, 9359..9499		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o1.tw	Method	TBLASTX:Wheat
Start	9380	End	10140
GI	none	Score	403
Exons	9380..9658, 9380..9658, 9381..9659, 9469..9672, 10078..10137, 10080..10139, 10080..10139, 10081..10140		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o2.tc	Method	TBLASTX:Cress
Start	9389	End	10266
GI	none	Score	99
Exons	9389..9472, 9390..9470, 9469..9492, 9470..9493, 9496..9534, 9535..9582, 9536..9583, 9577..9666, 9578..9658, 10072..10266, 10080..10265		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o1.tm	Method	TBLASTX:Maize
Start	9613	End	10532
GI	none	Score	340
Exons	9613..9672, 10080..10403, 10081..10392, 10086..10403, 10446..10532, 10447..10530, 10458..10532		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o1.ts	Method	TBLASTX:Soybean
Start	10113	End	10359
GI	none	Score	267
Exons	10113..10358, 10117..10359		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o3.ts	Method	TBLASTX:Soybean
Start	10446	End	11141
GI	none	Score	75
Exons	10446..10541, 10450..10539, 10649..10708, 10676..10741, 10683..10760, 10692..10754, 10891..11097, 10895..11110, 10896..11141, 10897..11115		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o2.tm	Method	TBLASTX:Maize
Start	10635	End	12089
GI	none	Score	84
Exons	10635..10760, 10637..10741, 10884..11156, 10891..11208, 10891..11076, 10895..11209, 10896..11210, 11681..11803, 11688..11816, 12017..12085, 12020..12082, 12021..12089		

Seq. No.	48386	Seq. ID	OJ991112_11.0421.C13
Gene No.	103000	Strand	-
Start	13108	End	13707
Name	OJ991112_11.0421.C13.o5.np	Method	AAT/NAP
Start	13108	End	13707
GI	5734632	Score	1003
Exons	13108..13707		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	48387	Seq. ID	OJ991112_11.0421.C14
Gene No.	103001	Strand	+
Start	1	End	250
Name	OJ991112_11.0421.C14.o1.gp	Method	AAT/GAP
Start	1	End	250
GI	LIB3474-003-P1-K1-H9	Score	471
Exons	1..250		
GI Descrip.	'5734630/dbj|BAA83361.1| 5.0e-24 (AP000391) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F25I24 (AL049525) [Oryza sativa]'		

Seq. No.	48387	Seq. ID	OJ991112_11.0421.C14
Gene No.	103001	Strand	+
Start	1	End	250
Name	OJ991112_11.0421.C14.o1.np	Method	AAT/NAP
Start	1	End	250
GI	5734631	Score	362
Exons	1..250		
GI Descrip.	(AP000391) ESTs AU030224(E50782),AU077702(E50782) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone T29A15 (AL035602) [Oryza sativa]		

Seq. No.	48388	Seq. ID	OJ991112_11.0421.C15
Gene No.	103002	Strand	-
Start	1	End	5000
Name	OJ991112_11.0421.C15.o1.np	Method	AAT/NAP
Start	1	End	5000
GI	5734621	Score	1842
Exons	1..127, 228..320, 448..513, 778..858, 992..1047, 1707..1795, 2357..2442, 2548..2663, 3125..3270, 3681..3741, 3847..3930, 4044..4151, 4302..4404, 4817..5000		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	48388	Seq. ID	OJ991112_11.0421.C15
Gene No.	103002	Strand	-
Start	1	End	5000
Name	OJ991112_11.0421.C15.o1.gs	Method	GENSCAN
Start	59	End	4860
GI	none	Score	.85
Exons	59..127, 228..320, 448..513, 778..858, 992..1047, 1707..1795, 2357..2474, 3681..3741, 3847..3930, 4044..4151, 4302..4404, 4817..4860		

Seq. No.	48388	Seq. ID	OJ991112_11.0421.C15
Gene No.	103002	Strand	-
Start	1	End	5000

Name	OJ991112_11.0421.C15.o1.gp	Method	AAT/GAP
Start	63	End	1763
GI	LIB3433-040-P1-K1-C8	Score	668
Exons	63..127, 228..320, 448..513, 778..858, 992..1047, 1707..1763		
GI Descrip.	'5734621/dbj|BAA83352.1| 2.0e-80 (AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]'		

Seq. No.	48388	Seq. ID	OJ991112_11.0421.C15
Gene No.	103002	Strand	-
Start	1	End	5000
Name	OJ991112_11.0421.C15.o1.ts	Method	TBLASTX:Soybean
Start	1010	End	4374
GI	none	Score	101
Exons	1010..1057, 1690..1812, 1706..1786, 2359..2460, 2360..2458, 2550..2609, 2572..2664, 2599..2664, 3099..3269, 3112..3270, 3119..3268, 3172..3273, 3680..3742, 3682..3744, 3829..3933, 3832..3933, 4030..4161, 4044..4154, 4305..4373, 4305..4373, 4306..4374		

Seq. No.	48388	Seq. ID	OJ991112_11.0421.C15
Gene No.	103002	Strand	-
Start	1	End	5000
Name	OJ991112_11.0421.C15.o1.tm	Method	TBLASTX:Maize
Start	1720	End	3167
GI	none	Score	112
Exons	1720..1794, 1721..1795, 1734..1805, 1901..1969, 2349..2456, 2350..2457, 2354..2458, 2356..2460, 2538..2663, 2541..2609, 2569..2664, 2572..2664, 3119..3166, 3120..3167		

Seq. No.	48388	Seq. ID	OJ991112_11.0421.C15
Gene No.	103002	Strand	-
Start	1	End	5000
Name	OJ991112_11.0421.C15.o2.tm	Method	TBLASTX:Maize
Start	3168	End	3929
GI	none	Score	132
Exons	3168..3266, 3170..3271, 3170..3268, 3679..3744, 3686..3742, 3829..3927, 3848..3928, 3849..3929		

Seq. No.	48388	Seq. ID	OJ991112_11.0421.C15
Gene No.	103002	Strand	-
Start	1	End	5000
Name	OJ991112_11.0421.C15.o1.tw	Method	TBLASTX:Wheat
Start	3666	End	4862
GI	none	Score	100
Exons	3666..3743, 3679..3744, 3680..3742, 3829..3933, 3847..3933, 3848..3934, 4036..4152, 4054..4152, 4104..4187, 4130..4177, 4288..4410, 4299..4415, 4818..4862, 4819..4860		

Seq. No.	48389	Seq. ID	OJ991112_11.0421.C16
Gene No.	103003	Strand	+
Start	5301	End	8826
Name	OJ991112_11.0421.C16.o2.np	Method	AAT/NAP
Start	5301	End	8826
GI	6911869	Score	623
Exons	5301..5430, 5555..5653, 6343..6433, 6778..6878, 8129..8219,		

8559..8617, 8707..8826
GI Descrip. (AL138655) putative protein [Arabidopsis thaliana]

Seq. No.	48389	Seq. ID	OJ991112_11.0421.C16
Gene No.	103004	Strand	-
Start	1	End	3268
Name	OJ991112_11.0421.C16.o1.np	Method	AAT/NAP
Start	1	End	3268
GI	5734621	Score	1734
Exons	1..301, 390..529, 1153..1209, 1362..1548, 2095..2307, 3011..3268		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	48389	Seq. ID	OJ991112_11.0421.C16
Gene No.	103004	Strand	-
Start	1	End	3268
Name	OJ991112_11.0421.C16.o1.gs	Method	GENSCAN
Start	71	End	3268
GI	none	Score	.71
Exons	71..301, 390..529, 1153..1209, 1362..1515, 2095..2307, 3011..3268		

Seq. No.	48389	Seq. ID	OJ991112_11.0421.C16
Gene No.	103004	Strand	-
Start	1	End	3268
Name	OJ991112_11.0421.C16.o1.gp	Method	AAT/GAP
Start	1372	End	3160
GI	99213_1.R1084	Score	1032
Exons	1372..1548, 2095..2307, 3011..3160		
GI Descrip.	'5734621/dbj|BAA83352.1| 5.0e-77 (AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]'		

Seq. No.	48390	Seq. ID	OJ991112_10.0421.C4
Gene No.	103005	Strand	-
Start	1	End	705
Name	OJ991112_10.0421.C4.o1.np	Method	AAT/NAP
Start	1	End	705
GI	6006358	Score	348
Exons	1..222, 622..705		
GI Descrip.	(AP000559) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F7H19, hypothetical protein (AL031018) [Oryza sativa]		

Seq. No.	48391	Seq. ID	OJ991112_10.0421.C6
Gene No.	103006	Strand	+
Start	1	End	1958
Name	OJ991112_10.0421.C6.o1.np	Method	AAT/NAP
Start	1	End	1654
GI	6520227	Score	182
Exons	1..75, 314..473, 1478..1654		
GI Descrip.	(AB028230) ZCW7 [Arabidopsis thaliana]		

Seq. No.	48391	Seq. ID	OJ991112_10.0421.C6
Gene No.	103006	Strand	+
Start	1	End	1958

Name	OJ991112_10.0421.C6.o1.gs	Method	GENSCAN
Start	237	End	1958
GI	none	Score	.69
Exons	237..473, 1478..1651, 1953..1958		

Seq. No.	48391	Seq. ID	OJ991112_10.0421.C6
Gene No.	103007	Strand	+
Start	8647	End	12863
Name	OJ991112_10.0421.C6.o3.np	Method	AAT/NAP
Start	8593	End	12402
GI	400578	Score	128
Exons	8593..8817, 10090..10181, 10635..10768, 12369..12402		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE 18 KD SUBUNIT PRECURSOR (COMPLEX I-18 KD) (CI-18 KD) (COMPLEX I-AQDQ) (CI-AQDQ) gi|346531|pir||S28240 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain CI-18(IP) - bovine gi|226|emb|CAA44900| (X63215) NADH dehydrogenase [Bos taurus]		

Seq. No.	48391	Seq. ID	OJ991112_10.0421.C6
Gene No.	103007	Strand	+
Start	8647	End	12863
Name	OJ991112_10.0421.C6.o3.gs	Method	GENSCAN
Start	8647	End	12863
GI	none	Score	.67
Exons	8647..8817, 10558..10764, 11439..11468, 12804..12863		

Seq. No.	48391	Seq. ID	OJ991112_10.0421.C6
Gene No.	103008	Strand	-
Start	2863	End	7101
Name	OJ991112_10.0421.C6.o2.gs	Method	GENSCAN
Start	2863	End	7101
GI	none	Score	.54
Exons	2863..3407, 3484..3700, 3745..3887, 4256..4370, 4508..4687, 6795..6843, 6892..7037, 7057..7101		

Seq. No.	48391	Seq. ID	OJ991112_10.0421.C6
Gene No.	103009	Strand	-
Start	13582	End	13968
Name	OJ991112_10.0421.C6.o3.tm	Method	TBLASTX:Maize
Start	386	End	1664
GI	none	Score	123
Exons	386..475, 387..473, 390..479, 391..480, 391..480, 1462..1590, 1475..1591, 1583..1651, 1584..1664		

Seq. No.	48391	Seq. ID	OJ991112_10.0421.C6
Gene No.	103009	Strand	-
Start	13582	End	13968
Name	OJ991112_10.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	8583	End	12865
GI	none	Score	76
Exons	8583..8711, 8618..8668, 8622..8693, 8632..8712, 8704..8832, 8706..8822, 10055..10183, 10086..10187, 10090..10185, 10615..10758, 10631..10660, 10635..10766, 10635..10766, 10703..10771, 12795..12857, 12806..12865		

Seq. No.	48391	Seq. ID	OJ991112_10.0421.C6
Gene No.	103009	Strand	-

Start	13582	End	13968
Name	OJ991112_10.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	8716	End	12851
GI	none	Score	114
Exons	8716..8832, 8745..8822, 10090..10185, 10092..10187, 10615..10758, 10635..10769, 12795..12851		

Seq. No.	48391	Seq. ID	OJ991112_10.0421.C6
Gene No.	103009	Strand	-
Start	13582	End	13968
Name	OJ991112_10.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	8727	End	10769
GI	none	Score	86
Exons	8727..8819, 8755..8859, 10086..10187, 10090..10185, 10633..10758, 10635..10769		

Seq. No.	48391	Seq. ID	OJ991112_10.0421.C6
Gene No.	103009	Strand	-
Start	13582	End	13968
Name	OJ991112_10.0421.C6.o4.np	Method	AAT/NAP
Start	13582	End	13968
GI	3935184	Score	298
Exons	13582..13968		
GI Descrip.	(AC004557) F17L21.27 [Arabidopsis thaliana]		

Seq. No.	48391	Seq. ID	OJ991112_10.0421.C6
Gene No.	103009	Strand	-
Start	13582	End	13968
Name	OJ991112_10.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	13586	End	13962
GI	none	Score	123
Exons	13586..13723, 13594..13722, 13640..13732, 13801..13926, 13801..13962		

Seq. No.	48392	Seq. ID	OJ991112_10.0421.C7
Gene No.	103010	Strand	+
Start	125	End	11286
Name	OJ991112_10.0421.C7.o1.gs	Method	GENSCAN
Start	125	End	10753
GI	none	Score	.74
Exons	125..270, 415..477, 550..666, 928..1062, 1470..1568, 1624..1756, 1821..1929, 5240..5430, 5582..5681, 7025..7233, 8069..8220, 8420..8828, 9014..9111, 9492..9603, 9706..9865, 10608..10753		

Seq. No.	48392	Seq. ID	OJ991112_10.0421.C7
Gene No.	103010	Strand	+
Start	125	End	11286
Name	OJ991112_10.0421.C7.o1.np	Method	AAT/NAP
Start	3989	End	11286
GI	3445208	Score	1358
Exons	3989..4011, 5531..5645, 6191..6327, 7025..7233, 8069..8220, 8420..8828, 9014..9111, 9492..9603, 9706..9865, 10626..10698, 11130..11286		
GI Descrip.	(AC004786) putative amino acid acetyltransferase [Arabidopsis thaliana]		

Seq. No.	48392	Seq. ID	OJ991112_10.0421.C7

Gene No.	103011	Strand	-
Start	1	End	81
Name	OJ991112_10.0421.C7.o1.gp	Method	AAT/GAP
Start	1	End	81
GI	none	Score	98
Exons	1..81		

Seq. No.	48392	Seq. ID	OJ991112_10.0421.C7
Gene No.	103012	Strand	-
Start	12932	End	16453
Name	OJ991112_10.0421.C7.o3.tm	Method	TBLASTX:Maize
Start	5591	End	8125
GI	none	Score	137
Exons	5591..5680, 5592..5678, 5597..5710, 5604..5681, 6260..6316, 6260..6328, 6264..6332, 6273..6332, 7023..7232, 7023..7232, 7024..7233, 7132..7248, 8066..8125, 8077..8124		

Seq. No.	48392	Seq. ID	OJ991112_10.0421.C7
Gene No.	103012	Strand	-
Start	12932	End	16453
Name	OJ991112_10.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	8126	End	8593
GI	none	Score	129
Exons	8126..8239, 8126..8254, 8340..8396, 8355..8591, 8355..8396, 8387..8587, 8399..8593, 8406..8588, 8413..8592		

Seq. No.	48392	Seq. ID	OJ991112_10.0421.C7
Gene No.	103012	Strand	-
Start	12932	End	16453
Name	OJ991112_10.0421.C7.o1.tw	Method	TBLASTX:Wheat
Start	8414	End	8764
GI	none	Score	172
Exons	8414..8620, 8417..8590, 8418..8633, 8419..8628, 8424..8636, 8674..8724, 8684..8725, 8698..8727, 8730..8762, 8738..8764		

Seq. No.	48392	Seq. ID	OJ991112_10.0421.C7
Gene No.	103012	Strand	-
Start	12932	End	16453
Name	OJ991112_10.0421.C7.o2.tm	Method	TBLASTX:Maize
Start	8677	End	11319
GI	none	Score	52
Exons	8677..8838, 8680..8730, 8681..8860, 8782..8862, 9005..9118, 9005..9118, 9481..9606, 9485..9592, 9489..9596, 9703..9855, 9705..9860, 9727..9861, 10625..10720, 10648..10731, 11097..11282, 11112..11288, 11131..11319		

Seq. No.	48392	Seq. ID	OJ991112_10.0421.C7
Gene No.	103012	Strand	-
Start	12932	End	16453
Name	OJ991112_10.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	9538	End	11259
GI	none	Score	81
Exons	9538..9606, 9703..9864, 9727..9864, 10613..10720, 11106..11243, 11130..11243, 11131..11259		

Seq. No.	48392	Seq. ID	OJ991112_10.0421.C7
Gene No.	103012	Strand	-

Start	12932	End	16453
Name	OJ991112_10.0421.C7.o3.gp	Method	AAT/GAP
Start	12487	End	14499
GI	16018_1.R1084	Score	1799
Exons	12487..13107, 14029..14203, 14345..14499		
GI Descrip.	'1808687/emb|Y10784|SSY10784 1.0e-40 S.stapfianus pSD.13 mRNA'		

Seq. No.	48392	Seq. ID	OJ991112_10.0421.C7
Gene No.	103012	Strand	-
Start	12932	End	16453
Name	OJ991112_10.0421.C7.o2.gs	Method	GENSCAN
Start	12932	End	16453
GI	none	Score	.72
Exons	12932..13107, 13722..13885, 14029..14203, 14345..14439, 16362..16453		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103013	Strand	-
Start	816	End	4769
Name	OJ991112_10.0421.C8.o1.gs	Method	GENSCAN
Start	816	End	4769
GI	none	Score	.64
Exons	816..1247, 1421..1844, 1961..3527, 3621..3764, 3875..4769		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103013	Strand	-
Start	816	End	4769
Name	OJ991112_10.0421.C8.o1.np	Method	AAT/NAP
Start	819	End	4622
GI	6630696	Score	6499
Exons	819..4622		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103013	Strand	-
Start	816	End	4769
Name	OJ991112_10.0421.C8.o1.gp	Method	AAT/GAP
Start	3690	End	4580
GI	101595_1.R1084	Score	1459
Exons	3690..3764, 3880..4580		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103014	Strand	-
Start	5198	End	5486
Name	OJ991112_10.0421.C8.o2.gp	Method	AAT/GAP
Start	5198	End	5486
GI	426253	Score	522
Exons	5198..5486		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103015	Strand	-
Start	10715	End	11022
Name	OJ991112_10.0421.C8.o2.np	Method	AAT/NAP

Start	10715	End	11022
GI	6907106	Score	181
Exons	10715..11022		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103016	Strand	-
Start	12757	End	13166
Name	OJ991112_10.0421.C8.o3.np	Method	AAT/NAP
Start	12757	End	13166
GI	4587577	Score	196
Exons	12757..13166		
GI Descrip.	(AC006550) F10O3.17 [Arabidopsis thaliana]		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o6.tw	Method	TBLASTX:Wheat
Start	324	End	678
GI	none	Score	94
Exons	324..353, 325..453, 382..450, 465..527, 489..524, 510..608, 526..633, 539..631, 634..678, 646..678		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	I8639	End	22156
Name	OJ991112_10.0421.C8.o2.tw	Method	TBLASTX:Wheat
Start	955	End	1432
GI	none	Score	321
Exons	955..1308, 956..1261, 957..1265, 1268..1303, 1303..1338, 1303..1341, 1304..1348, 1357..1398, 1358..1414, 1385..1432		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o5.ts	Method	TBLASTX:Soybean
Start	1083	End	1407
GI	none	Score	85
Exons	1083..1259, 1162..1260, 1312..1407, 1322..1390		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o5.tm	Method	TBLASTX:Maize
Start	1294	End	1660
GI	none	Score	111
Exons	1294..1389, 1337..1660, 1391..1630, 1404..1637		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o3.ts	Method	TBLASTX:Soybean
Start	1436	End	1787
GI	none	Score	79
Exons	1436..1618, 1439..1627, 1440..1628, 1623..1787, 1628..1786		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o3.tw	Method	TBLASTX:Wheat
Start	1640	End	2184
GI	none	Score	66
Exons	1640..1825, 1840..2184, 2003..2167		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o2.tm	Method	TBLASTX:Maize
Start	1721	End	2185
GI	none	Score	58
Exons	1721..1837, 1873..2184, 1874..1933, 1969..2049, 2054..2185		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o1.ts	Method	TBLASTX:Soybean
Start	1855	End	2319
GI	5509260	Score	103
Exons	1855..2319, 2063..2224		
GI Descrip.	-		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o1.tc	Method	TBLASTX:Cress
Start	1966	End	2226
GI	none	Score	110
Exons	1966..2226, 2054..2224		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o1.tw	Method	TBLASTX:Wheat
Start	2239	End	2986
GI	none	Score	106
Exons	2239..2421, 2239..2979, 2489..2986, 2579..2986		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o2.tc	Method	TBLASTX:Cress
Start	2551	End	3027
GI	none	Score	124
Exons	2551..2616, 2620..2808, 2827..3027		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o2.ts	Method	TBLASTX:Soybean
Start	2644	End	3042
GI	none	Score	102
Exons	2644..2817, 2821..3042, 2825..3040		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o4.tm	Method	TBLASTX:Maize
Start	2830	End	3294
GI	none	Score	77
Exons	2830..3294, 2837..3010		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o5.tw	Method	TBLASTX:Wheat
Start	2987	End	3187
GI	none	Score	225
Exons	2987..3187, 2987..3184, 2989..3186		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o4.ts	Method	TBLASTX:Soybean
Start	3052	End	3432
GI	none	Score	88
Exons	3052..3300, 3283..3432		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	3406	End	3755
GI	none	Score	37
Exons	3406..3447, 3413..3442, 3476..3598, 3476..3583, 3477..3584, 3478..3597, 3597..3749, 3601..3747, 3602..3748, 3609..3755		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o3.tm	Method	TBLASTX:Maize
Start	4272	End	4580
GI	none	Score	108
Exons	4272..4580, 4275..4451, 4337..4480, 4351..4533		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o4.tw	Method	TBLASTX:Wheat
Start	4331	End	4730
GI	none	Score	151
Exons	4331..4513, 4331..4462, 4332..4616, 4351..4542, 4590..4730, 4593..4727		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o7.tm	Method	TBLASTX:Maize
Start	14322	End	14567
GI	none	Score	67
Exons	14322..14390, 14324..14389, 14381..14566, 14388..14567		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o3.gs	Method	GENSCAN
Start	18639	End	21830
GI	none	Score	.83
Exons	18639..18697, 19769..19871, 19965..20009, 20662..20760, 21066..21134, 21302..21361, 21737..21830		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o3.gp	Method	AAT/GAP
Start	19218	End	22156
GI	1179_1.R1084	Score	1445
Exons	19218..19545, 19769..19871, 19965..20009, 20662..20760, 21066..21134, 21302..21361, 21737..21832, 22127..22156		
GI Descrip.	'2245086/emb|CAB10508.1| 1.0e-120 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o4.np	Method	AAT/NAP
Start	19472	End	22156
GI	7268479	Score	465
Exons	19472..19545, 19769..19871, 19965..20009, 20662..20760, 21066..21134, 21302..21361, 21737..21835, 22084..22156		
GI Descrip.	(AL161546) putative protein [Arabidopsis thaliana]		

Seq. No.	48393	Seq. ID	OJ991112_10.0421.C8
Gene No.	103017	Strand	-
Start	18639	End	22156
Name	OJ991112_10.0421.C8.o6.tm	Method	TBLASTX:Maize
Start	19487	End	21833
GI	none	Score	134
Exons	19487..19546, 19768..19869, 19770..19883, 19771..19872, 19955..20008, 19962..20012, 19965..20000, 20656..20766, 20667..20762, 20668..20763, 21060..21134, 21060..21125, 21061..21135, 21068..21133, 21077..21136, 21301..21363, 21302..21364, 21302..21364, 21735..21833, 21737..21832		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103018	Strand	+
Start	8785	End	9595
Name	OJ991112_10.0421.C9.o2.gp	Method	AAT/GAP
Start	8785	End	9595
GI	none	Score	1585
Exons	8785..9595		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103019	Strand	+
Start	22680	End	23124
Name	OJ991112_10.0421.C9.o5.gp	Method	AAT/GAP
Start	22680	End	23124
GI	LIB3431-028-P1-N1-A10	Score	754

Exons	22680..22750, 22778..23124		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103020	Strand	+
Start	28303	End	28891
Name	OJ991112_10.0421.C9.o2.gs	Method	GENSCAN
Start	28303	End	28891
GI	none	Score	.84
Exons	28303..28423, 28824..28891		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103021	Strand	-
Start	1	End	3261
Name	OJ991112_10.0421.C9.o1.np	Method	AAT/NAP
Start	1	End	3209
GI	7268479	Score	435
Exons	1..21, 669..743, 1770..1888, 2001..2162, 3084..3209		
GI Descrip.	(AL161546) putative protein [Arabidopsis thaliana]		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103021	Strand	-
Start	1	End	3261
Name	OJ991112_10.0421.C9.o1.gp	Method	AAT/GAP
Start	660	End	3261
GI	1179_1.R1084	Score	823
Exons	660..743, 1770..1888, 2001..2162, 3084..3184, 3221..3261		
GI Descrip.	'2245086/emb|CAB10508.1| 1.0e-120 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103022	Strand	-
Start	9946	End	10995
Name	OJ991112_10.0421.C9.o3.gp	Method	AAT/GAP
Start	9946	End	10995
GI	none	Score	1065
Exons	9946..10346, 10840..10995		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103023	Strand	-
Start	16473	End	20162
Name	OJ991112_10.0421.C9.o2.np	Method	AAT/NAP
Start	16473	End	20162
GI	4680204	Score	923
Exons	16473..16704, 17060..17190, 17281..17454, 17559..18631, 18727..20162		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103024	Strand	-
Start	23302	End	26260
Name	OJ991112_10.0421.C9.o3.np	Method	AAT/NAP
Start	23302	End	26260
GI	6742729	Score	1183
Exons	23302..24119, 26217..26260		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103024	Strand	-
Start	23302	End	26260
Name	OJ991112_10.0421.C9.o4.np	Method	AAT/NAP
Start	24108	End	25578
GI	5852182	Score	427
Exons	24108..24437, 25552..25578		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103025	Strand	-
Start	30226	End	33193
Name	OJ991112_10.0421.C9.o2.tm	Method	TBLASTX:Maize
Start	666	End	3366
GI	none	Score	119
Exons	666..743, 668..745, 668..742, 1764..1895, 1767..1889, 1768..1902, 1768..1890, 1769..1894, 2001..2165, 2002..2163, 2013..2165, 3081..3224, 3085..3219, 3153..3230, 3316..3366		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103025	Strand	-
Start	30226	End	33193
Name	OJ991112_10.0421.C9.o2.ts	Method	TBLASTX:Soybean
Start	666	End	3221
GI	none	Score	82
Exons	666..743, 668..742, 1764..1898, 1769..1894, 1999..2157, 2001..2162, 2002..2163, 2007..2165, 3132..3221, 3133..3213		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103025	Strand	-
Start	30226	End	33193
Name	OJ991112_10.0421.C9.o4.tm	Method	TBLASTX:Maize
Start	9474	End	9761
GI	none	Score	138
Exons	9474..9590, 9498..9551, 9512..9634, 9570..9761, 9617..9760		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103025	Strand	-
Start	30226	End	33193
Name	OJ991112_10.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	9644	End	10252
GI	none	Score	71
Exons	9644..9754, 9663..9752, 9791..9949, 9810..9929, 9935..10051, 9956..10072, 10052..10252, 10089..10130, 10173..10244		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103025	Strand	-
Start	30226	End	33193
Name	OJ991112_10.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	9767	End	10190
GI	none	Score	451
Exons	9767..10189, 9804..10190		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103025	Strand	-
Start	30226	End	33193

Name	OJ991112_10.0421.C9.o2.tc	Method	TBLASTX:Cress
Start	9809	End	10247
GI	none	Score	44
Exons	9809..9949, 9935..10054, 9996..10049, 10061..10129, 10145..10246, 10161..10247		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103025	Strand	-
Start	30226	End	33193
Name	OJ991112_10.0421.C9.o2.tw	Method	TBLASTX:Wheat
Start	19117	End	19520
GI	none	Score	67
Exons	19117..19287, 19118..19192, 19277..19417, 19282..19518, 19324..19518, 19404..19520		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103025	Strand	-
Start	30226	End	33193
Name	OJ991112_10.0421.C9.o1.tw	Method	TBLASTX:Wheat
Start	22824	End	24095
GI	none	Score	132
Exons	22824..22910, 22899..22979, 22992..23132, 22993..23133, 23080..23175, 23112..23171, 23178..23222, 23179..23223, 23183..23224, 23217..24095, 23233..24093, 23669..24094		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103025	Strand	-
Start	30226	End	33193
Name	OJ991112_10.0421.C9.o1.tc	Method	TBLASTX:Cress
Start	23400	End	23847
GI	none	Score	209
Exons	23400..23843, 23400..23843, 23404..23847, 23512..23847		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103025	Strand	-
Start	30226	End	33193
Name	OJ991112_10.0421.C9.o3.tm	Method	TBLASTX:Maize
Start	23778	End	24092
GI	none	Score	149
Exons	23778..24092, 23806..24081		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103025	Strand	-
Start	30226	End	33193
Name	OJ991112_10.0421.C9.o3.gs	Method	GENSCAN
Start	30226	End	33192
GI	none	Score	.64
Exons	30226..30383, 33104..33192		

Seq. No.	48394	Seq. ID	OJ991112_10.0421.C9
Gene No.	103025	Strand	-
Start	30226	End	33193
Name	OJ991112_10.0421.C9.o6.gp	Method	AAT/GAP
Start	32936	End	33193
GI	12078_1.R1084	Score	480
Exons	32936..33193		
GI Descrip.	'2245005/emb|CAB10425.1| 2.0e-49 (Z97341) hypothetical protein		

[Arabidopsis thaliana]'

Seq. No.	48395	Seq. ID	OJ991112_10.0421.C10
Gene No.	103026	Strand	+
Start	786	End	1414
Name	OJ991112_10.0421.C10.o1.gp	Method	AAT/GAP
Start	786	End	1414
GI	12078_1.R1084	Score	1194
Exons	786..1414		
GI Descrip.	'2245005/emb|CAB10425.1| 2.0e-49 (Z97341) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48395	Seq. ID	OJ991112_10.0421.C10
Gene No.	103027	Strand	+
Start	8406	End	10417
Name	OJ991112_10.0421.C10.o3.gs	Method	GENSCAN
Start	8406	End	10417
GI	none	Score	.74
Exons	8406..8586, 8606..9179, 9595..9722, 10075..10135, 10300..10417		

Seq. No.	48395	Seq. ID	OJ991112_10.0421.C10
Gene No.	103028	Strand	-
Start	520	End	2152
Name	OJ991112_10.0421.C10.o1.np	Method	AAT/NAP
Start	520	End	1864
GI	6692260	Score	591
Exons	520..575, 777..1626, 1699..1864		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	48395	Seq. ID	OJ991112_10.0421.C10
Gene No.	103028	Strand	-
Start	520	End	2152
Name	OJ991112_10.0421.C10.o2.gp	Method	AAT/GAP
Start	1652	End	2152
GI	none	Score	912
Exons	1652..2152		

Seq. No.	48395	Seq. ID	OJ991112_10.0421.C10
Gene No.	103029	Strand	-
Start	3717	End	6433
Name	OJ991112_10.0421.C10.o2.gs	Method	GENSCAN
Start	3717	End	6433
GI	none	Score	.62
Exons	3717..4024, 4122..4242, 5124..5194, 6071..6180, 6300..6433		

Seq. No.	48395	Seq. ID	OJ991112_10.0421.C10
Gene No.	103030	Strand	-
Start	10682	End	12456
Name	OJ991112_10.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	772	End	1531
GI	none	Score	126
Exons	772..978, 786..878, 796..966, 802..879, 803..898, 808..1248, 835..1203, 970..1047, 971..1045, 976..1059, 982..1371, 1058..1108, 1087..1251, 1088..1372, 1088..1255, 1093..1512, 1123..1335, 1139..1531, 1154..1282, 1253..1495, 1271..1531, 1286..1411		

Seq. No.	48395	Seq. ID	OJ991112_10.0421.C10
Gene No.	103030	Strand	-
Start	10682	End	12456
Name	OJ991112_10.0421.C10.o1.ts	Method	TBLASTX:Soybean
Start	772	End	1501
GI	none	Score	158
Exons	772..1368, 775..1176, 944..1366, 1021..1488, 1129..1251, 1141..1485, 1157..1501		

Seq. No.	48395	Seq. ID	OJ991112_10.0421.C10
Gene No.	103030	Strand	-
Start	10682	End	12456
Name	OJ991112_10.0421.C10.o1.tc	Method	TBLASTX:Cress
Start	796	End	1485
GI	none	Score	222
Exons	796..1365, 839..1381, 1021..1476, 1138..1485, 1378..1467		

Seq. No.	48395	Seq. ID	OJ991112_10.0421.C10
Gene No.	103030	Strand	-
Start	10682	End	12456
Name	OJ991112_10.0421.C10.o4.gs	Method	GENSCAN
Start	10682	End	12456
GI	none	Score	.51
Exons	10682..10749, 10754..10945, 11169..11244, 11593..11742, 12403..12456		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103031	Strand	+
Start	11381	End	11985
Name	OJ991202_19.0421.C2.o2.gp	Method	AAT/GAP
Start	11381	End	11985
GI	none	Score	1124
Exons	11381..11985		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103032	Strand	+
Start	17491	End	22740
Name	OJ991202_19.0421.C2.o3.gs	Method	GENSCAN
Start	17491	End	21850
GI	none	Score	.54
Exons	17491..17573, 17761..17915, 18482..18708, 18809..18937, 19223..19585, 19904..20031, 20111..20133, 20458..21520, 21826..21850		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103032	Strand	+
Start	17491	End	22740
Name	OJ991202_19.0421.C2.o3.np	Method	AAT/NAP
Start	18220	End	18334
GI	5777617	Score	86
Exons	18220..18334		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103032	Strand	+
Start	17491	End	22740
Name	OJ991202_19.0421.C2.o6.np	Method	AAT/NAP

Start	18539	End	22740
GI	4982501	Score	42
Exons	18539..18601, 20568..21057, 22697..22740		
GI Descrip.	(AC000107) F17F8.7 [Arabidopsis thaliana]		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103032	Strand	+
Start	17491	End	22740
Name	OJ991202_19.0421.C2.o5.np	Method	AAT/NAP
Start	19422	End	19655
GI	7523489	Score	132
Exons	19422..19655		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103033	Strand	-
Start	163	End	249
Name	OJ991202_19.0421.C2.o1.gp	Method	AAT/GAP
Start	163	End	249
GI	69953_1.R1084	Score	108
Exons	163..249		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103034	Strand	-
Start	3264	End	16861
Name	OJ991202_19.0421.C2.o2.gs	Method	GENSCAN
Start	3264	End	16861
GI	none	Score	.65
Exons	3264..3847, 4424..4562, 4649..5148, 6031..6137, 7134..7231, 9177..9239, 11253..11486, 11636..12474, 12565..12727, 13009..13061, 13194..13415, 13515..13565, 14402..14506, 16056..16200, 16334..16598, 16794..16861		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103034	Strand	-
Start	3264	End	16861
Name	OJ991202_19.0421.C2.o1.np	Method	AAT/NAP
Start	3267	End	4932
GI	4406782	Score	222
Exons	3267..3497, 4774..4932		
GI Descrip.	(AC006532) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103034	Strand	-
Start	3264	End	16861
Name	OJ991202_19.0421.C2.o2.np	Method	AAT/NAP
Start	11633	End	14444
GI	7108611	Score	2194
Exons	11633..12474, 12565..12934, 13009..13061, 13155..13415, 13515..13565, 13650..13892, 14402..14444		
GI Descrip.	(AF129485) HAK4 [Oryza sativa]		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103035	Strand	-
Start	18376	End	22425

Name	OJ991202_19.0421.C2.o4.ts	Method	TBLASTX:Soybean
Start	3306	End	3510
GI	none	Score	151
Exons	3306..3509, 3316..3510		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103035	Strand	-
Start	18376	End	22425
Name	OJ991202_19.0421.C2.o2.tm	Method	TBLASTX:Maize
Start	11628	End	11833
GI	none	Score	104
Exons	11628..11738, 11629..11739, 11630..11833, 11631..11825		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103035	Strand	-
Start	18376	End	22425
Name	OJ991202_19.0421.C2.o3.ts	Method	TBLASTX:Soybean
Start	11972	End	12457
GI	none	Score	66
Exons	11972..12409, 12251..12457		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103035	Strand	-
Start	18376	End	22425
Name	OJ991202_19.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	11984	End	14607
GI	none	Score	181
Exons	11984..12409, 12554..12916, 12555..12932, 12626..12958, 13000..13065, 13028..13066, 13153..13410, 13645..13776, 13699..13971, 14400..14507, 14401..14508, 14535..14603, 14536..14607		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103035	Strand	-
Start	18376	End	22425
Name	OJ991202_19.0421.C2.o3.tm	Method	TBLASTX:Maize
Start	11984	End	12418
GI	none	Score	271
Exons	11984..12418		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103035	Strand	-
Start	18376	End	22425
Name	OJ991202_19.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	12419	End	13356
GI	none	Score	35
Exons	12419..12475, 12561..12917, 12563..12934, 12563..12925, 12997..13065, 12998..13099, 13148..13246, 13150..13356, 13263..13301		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103035	Strand	-
Start	18376	End	22425
Name	OJ991202_19.0421.C2.o1.ts	Method	TBLASTX:Soybean
Start	12551	End	13359
GI	none	Score	141
Exons	12551..12838, 12555..12839, 12569..12841, 12869..12916,		

13000..13065, 13010..13066, 13150..13230, 13154..13216,
13270..13359, 13303..13344

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103035	Strand	-
Start	18376	End	22425
Name	OJ991202_19.0421.C2.o2.ts	Method	TBLASTX:Soybean
Start	14412	End	14631
GI	none	Score	113
Exons	14412..14630, 14412..14603, 14413..14631		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103035	Strand	-
Start	18376	End	22425
Name	OJ991202_19.0421.C2.o4.np	Method	AAT/NAP
Start	18376	End	22425
GI	7523489	Score	135
Exons	18376..18587, 18721..18912, 19292..19362, 22328..22425		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48396	Seq. ID	OJ991202_19.0421.C2
Gene No.	103035	Strand	-
Start	18376	End	22425
Name	OJ991202_19.0421.C2.o3.gp	Method	AAT/GAP
Start	21569	End	21839
GI	none	Score	542
Exons	21569..21839		

Seq. No.	48397	Seq. ID	OJ991202_19.0421.C3
Gene No.	103036	Strand	+
Start	8096	End	8424
Name	OJ991202_19.0421.C3.o3.np	Method	AAT/NAP
Start	8096	End	8424
GI	7340884	Score	149
Exons	8096..8313, 8398..8424		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	48397	Seq. ID	OJ991202_19.0421.C3
Gene No.	103037	Strand	-
Start	1	End	3792
Name	OJ991202_19.0421.C3.o2.np	Method	AAT/NAP
Start	1	End	3792
GI	6721120	Score	254
Exons	1..51, 1930..2148, 2922..3305, 3729..3792		
GI Descrip.	(AC007396) T4O12.1 [Arabidopsis thaliana]		

Seq. No.	48397	Seq. ID	OJ991202_19.0421.C3
Gene No.	103037	Strand	-
Start	1	End	3792
Name	OJ991202_19.0421.C3.o1.np	Method	AAT/NAP
Start	1237	End	1541
GI	4506701	Score	138
Exons	1237..1373, 1441..1541		
GI Descrip.	ribosomal protein S23 gi|730647|sp|P39028|RS23_HUMAN 40S RIBOSOMAL PROTEIN S23 gi|543449|pir||S41955 ribosomal protein S23 - rat gi|631360|pir||S42105 ribosomal protein S23, cytosolic		

- human gi|414349|dbj|BAA03400| (D14530) ribosomal protein [Homo sapiens] gi|453281|emb|CAA54584| (X77398) ribosomal protein S23 [Rattus norvegicus]

Seq. No.	48397	Seq. ID	OJ991202_19.0421.C3
Gene No.	103038	Strand	-
Start	7056	End	8281
Name	OJ991202_19.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	1260	End	1541
GI	none	Score	123
Exons	1260..1364, 1271..1360, 1278..1361, 1435..1497, 1440..1541, 1441..1497, 1498..1539, 1499..1540		

Seq. No.	48397	Seq. ID	OJ991202_19.0421.C3
Gene No.	103038	Strand	-
Start	7056	End	8281
Name	OJ991202_19.0421.C3.o1.ts	Method	TBLASTX:Soybean
Start	1260	End	1544
GI	none	Score	120
Exons	1260..1361, 1260..1364, 1267..1362, 1439..1495, 1441..1497, 1464..1505, 1499..1540, 1500..1544		

Seq. No.	48397	Seq. ID	OJ991202_19.0421.C3
Gene No.	103038	Strand	-
Start	7056	End	8281
Name	OJ991202_19.0421.C3.o2.gs	Method	GENSCAN
Start	7056	End	8281
GI	none	Score	.64
Exons	7056..7329, 8058..8281		

Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103039	Strand	+
Start	1	End	5855
Name	OJ991202_19.0421.C4.o1.np	Method	AAT/NAP
Start	1	End	5855
GI	5882720	Score	910
Exons	1..213, 3339..4054, 4276..4828, 5806..5855		
GI Descrip.	(AC008263) Similar to gb|D86180 phosphoribosylanthranilate transferase from Pisum sativum and contains 2 PF|00168 C2 (phospholipid binding) domains. ESTs gb|H76726, gb|T45544 and gb|N96377 come from this gene. [Arab...		

Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103039	Strand	+
Start	1	End	5855
Name	OJ991202_19.0421.C4.o1.gs	Method	GENSCAN
Start	520	End	4796
GI	none	Score	.51
Exons	520..1069, 2286..2938, 3174..3311, 3329..3640, 3701..4033, 4422..4796		

Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103040	Strand	+
Start	8740	End	10502
Name	OJ991202_19.0421.C4.o3.gs	Method	GENSCAN
Start	8740	End	10502
GI	none	Score	.67

Exons	8740..8786, 8944..8996, 9370..10106, 10341..10502		
Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103041	Strand	+
Start	12972	End	13220
Name	OJ991202_19.0421.C4.o4.gs	Method	GENSCAN
Start	12972	End	13220
GI	none	Score	.77
Exons	12972..13037, 13146..13220		
Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103042	Strand	+
Start	16212	End	16642
Name	OJ991202_19.0421.C4.o1.gp	Method	AAT/GAP
Start	16212	End	16642
GI	LIB3479-006-Q6-K1-B11	Score	667
Exons	16212..16642		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103043	Strand	+
Start	18105	End	27741
Name	OJ991202_19.0421.C4.o2.np	Method	AAT/NAP
Start	18105	End	27738
GI	5915832	Score	882
Exons	18105..18620, 25777..26146, 27095..27738		
GI Descrip.	CYTOCHROME P450 76C2 gi|2979549|gb|AAC06158.1| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103043	Strand	+
Start	18105	End	27741
Name	OJ991202_19.0421.C4.o7.gs	Method	GENSCAN
Start	25255	End	27741
GI	none	Score	.99
Exons	25255..26163, 27118..27741		
Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103044	Strand	-
Start	5114	End	8044
Name	OJ991202_19.0421.C4.o2.gs	Method	GENSCAN
Start	5114	End	8044
GI	none	Score	.53
Exons	5114..5312, 5829..5922, 7870..8044		
Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103045	Strand	-
Start	20915	End	21677
Name	OJ991202_19.0421.C4.o6.gs	Method	GENSCAN
Start	20915	End	21677
GI	none	Score	.66
Exons	20915..21014, 21616..21677		
Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103046	Strand	-
Start	29579	End	29800

Name	OJ991202_19.0421.C4.o8.gs	Method	GENSCAN
Start	29579	End	29800
GI	none	Score	.63
Exons	29579..29800		

Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103047	Strand	-
Start	31253	End	32423
Name	OJ991202_19.0421.C4.o2.tm	Method	TBLASTX:Maize
Start	3627	End	3978
GI	none	Score	35
Exons	3627..3662, 3667..3708, 3703..3759, 3704..3829, 3839..3913, 3841..3912, 3909..3977, 3910..3978		

Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103047	Strand	-
Start	31253	End	32423
Name	OJ991202_19.0421.C4.o3.tc	Method	TBLASTX:Cress
Start	3667	End	3906
GI	none	Score	50
Exons	3667..3708, 3703..3759, 3704..3904, 3811..3906		

Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103047	Strand	-
Start	31253	End	32423
Name	OJ991202_19.0421.C4.o3.ts	Method	TBLASTX:Soybean
Start	3667	End	3980
GI	none	Score	49
Exons	3667..3708, 3704..3829, 3839..3907, 3841..3906, 3909..3980, 3910..3978		

Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103047	Strand	-
Start	31253	End	32423
Name	OJ991202_19.0421.C4.o1.tc	Method	TBLASTX:Cress
Start	3907	End	4814
GI	none	Score	98
Exons	3907..3978, 3916..3972, 3980..4027, 3980..4048, 4085..4117, 4279..4332, 4340..4384, 4398..4646, 4409..4645, 4608..4685, 4688..4741, 4746..4814, 4747..4812		

Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103047	Strand	-
Start	31253	End	32423
Name	OJ991202_19.0421.C4.o3.tm	Method	TBLASTX:Maize
Start	4333	End	4827
GI	none	Score	51
Exons	4333..4377, 4340..4384, 4398..4646, 4409..4645, 4410..4652, 4530..4682, 4694..4741, 4694..4723, 4740..4814, 4741..4818, 4741..4827		

Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103047	Strand	-
Start	31253	End	32423
Name	OJ991202_19.0421.C4.o2.ts	Method	TBLASTX:Soybean
Start	4398	End	4815
GI	none	Score	192

Exons	4398..4646, 4410..4619, 4688..4741, 4747..4815		
Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103047	Strand	-
Start	31253	End	32423
Name	OJ991202_19.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	18234	End	27711
GI	none	Score	35
Exons	18234..18257, 18305..18406, 18306..18425, 18495..18554, 19422..19553, 19430..19567, 19557..19607, 19671..19766, 19679..19753, 19772..20029, 19773..20030, 27112..27348, 27126..27191, 27310..27351, 27387..27488, 27388..27447, 27508..27711, 27528..27584		
Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103047	Strand	-
Start	31253	End	32423
Name	OJ991202_19.0421.C4.o1.ts	Method	TBLASTX:Soybean
Start	18240	End	27684
GI	none	Score	36
Exons	18240..18269, 18285..18479, 18501..18698, 19422..19532, 19691..19753, 19692..19766, 19769..20032, 19770..20033, 27118..27348, 27388..27447, 27507..27677, 27508..27684		
Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103047	Strand	-
Start	31253	End	32423
Name	OJ991202_19.0421.C4.o2.tc	Method	TBLASTX:Cress
Start	18267	End	27644
GI	none	Score	248
Exons	18267..18647, 18317..18388, 18450..18524, 19422..19559, 19544..19687, 19545..19607, 19692..19763, 19772..19954, 19773..19958, 25354..25404, 25462..25749, 25792..25878, 27111..27311, 27112..27348, 27390..27473, 27391..27447, 27508..27642, 27519..27644		
Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103047	Strand	-
Start	31253	End	32423
Name	OJ991202_19.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	19421	End	27426
GI	none	Score	109
Exons	19421..19540, 19422..19541, 19692..19745, 27118..27348, 27118..27201, 27280..27339, 27388..27426		
Seq. No.	48398	Seq. ID	OJ991202_19.0421.C4
Gene No.	103047	Strand	-
Start	31253	End	32423
Name	OJ991202_19.0421.C4.o9.gs	Method	GENSCAN
Start	31253	End	32423
GI	none	Score	.74
Exons	31253..31612, 32371..32423		
Seq. No.	48399	Seq. ID	OJ991202_19.0421.C5
Gene No.	103048	Strand	+
Start	1691	End	21050
Name	OJ991202_19.0421.C5.o1.np	Method	AAT/NAP

Start	1691	End	20723
GI	4680341	Score	620
Exons	1691..1741, 8811..8873, 8899..8982, 9041..9400, 9701..9773, 13769..13838, 20683..20723		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	48399	Seq. ID	OJ991202_19.0421.C5
Gene No.	103048	Strand	+
Start	1691	End	21050
Name	OJ991202_19.0421.C5.o2.gs	Method	GENSCAN
Start	7105	End	9018
GI	none	Score	.71
Exons	7105..7292, 8898..9018		

Seq. No.	48399	Seq. ID	OJ991202_19.0421.C5
Gene No.	103048	Strand	+
Start	1691	End	21050
Name	OJ991202_19.0421.C5.o2.np	Method	AAT/NAP
Start	19805	End	21050
GI	7363272	Score	177
Exons	19805..19864, 20495..21050		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	48399	Seq. ID	OJ991202_19.0421.C5
Gene No.	103049	Strand	-
Start	7637	End	7773
Name	OJ991202_19.0421.C5.o2.gp	Method	AAT/GAP
Start	7637	End	7773
GI	LIB3474-009-P1-K1-F11	Score	230
Exons	7637..7773		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	48399	Seq. ID	OJ991202_19.0421.C5
Gene No.	103050	Strand	
Start	8401	End	9713
Name	OJ991202_19.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	8401	End	9713
GI	none	Score	60
Exons	8401..8460, 8444..8482, 9289..9387, 9290..9388, 9290..9388, 9336..9389, 9403..9531, 9460..9525, 9619..9681, 9632..9691, 9675..9713		

Seq. No.	48400	Seq. ID	OJ991202_19.0421.C6
Gene No.	103051	Strand	+
Start	3319	End	6856
Name	OJ991202_19.0421.C6.o2.gs	Method	GENSCAN
Start	3319	End	6856
GI	none	Score	.43
Exons	3319..3582, 6488..6856		

Seq. No.	48400	Seq. ID	OJ991202_19.0421.C6
Gene No.	103052	Strand	+
Start	8502	End	10102
Name	OJ991202_19.0421.C6.o3.gs	Method	GENSCAN
Start	8502	End	9852
GI	none	Score	.9

Exons	8502..8733, 8818..9343, 9447..9852		
Seq. No.	48400	Seq. ID	OJ991202_19.0421.C6
Gene No.	103052	Strand	+
Start	8502	End	10102
Name	OJ991202_19.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	9036	End	9461
GI	none	Score	145
Exons	9036..9158, 9056..9157, 9083..9160, 9256..9369, 9263..9346, 9276..9401, 9435..9461, 9435..9461		
Seq. No.	48400	Seq. ID	OJ991202_19.0421.C6
Gene No.	103052	Strand	+
Start	8502	End	10102
Name	OJ991202_19.0421.C6.o1.np	Method	AAT/NAP
Start	9039	End	9732
GI	1170408	Score	494
Exons	9039..9158, 9264..9343, 9447..9732		
GI Descrip.	HOMEOBOX-LEUCINE ZIPPER PROTEIN HAT14 (HD-ZIP PROTEIN 14) gi|549885 (U09334) homeobox protein [Arabidopsis thaliana]		
Seq. No.	48400	Seq. ID	OJ991202_19.0421.C6
Gene No.	103052	Strand	+
Start	8502	End	10102
Name	OJ991202_19.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	9056	End	9630
GI	none	Score	126
Exons	9056..9157, 9057..9158, 9263..9343, 9264..9332, 9444..9497, 9445..9630, 9570..9623		
Seq. No.	48400	Seq. ID	OJ991202_19.0421.C6
Gene No.	103052	Strand	+
Start	8502	End	10102
Name	OJ991202_19.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	9056	End	9638
GI	none	Score	139
Exons	9056..9157, 9057..9158, 9263..9343, 9264..9332, 9283..9342, 9444..9497, 9444..9497, 9445..9630, 9570..9638		
Seq. No.	48400	Seq. ID	OJ991202_19.0421.C6
Gene No.	103052	Strand	+
Start	8502	End	10102
Name	OJ991202_19.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	9462	End	10102
GI	none	Score	300
Exons	9462..9638, 9463..9630, 9465..9662, 9753..9836, 9757..9837, 9775..9882, 9822..9878, 9907..9975, 9953..9973, 10000..10017, 10045..10101, 10046..10102		
Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103053	Strand	+
Start	1	End	773
Name	OJ991202_19.0421.C7.o1.np	Method	AAT/NAP
Start	1	End	773
GI	5852084	Score	78
Exons	1..84, 661..773		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103054	Strand	+
Start	2424	End	3558
Name	OJ991202_19.0421.C7.o2.gs	Method	GENSCAN
Start	2424	End	3558
GI	none	Score	.49
Exons	2424..2451, 3467..3558		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103055	Strand	+
Start	6761	End	10738
Name	OJ991202_19.0421.C7.o2.np	Method	AAT/NAP
Start	5995	End	9799
GI	6721547	Score	96
Exons	5995..6079, 9739..9799		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103055	Strand	+
Start	6761	End	10738
Name	OJ991202_19.0421.C7.o3.gs	Method	GENSCAN
Start	6761	End	10738
GI	none	Score	.64
Exons	6761..6832, 7770..7978, 8874..9133, 9215..9258, 10201..10379, 10504..10738		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103056	Strand	+
Start	21007	End	21992
Name	OJ991202_19.0421.C7.o5.gs	Method	GENSCAN
Start	21007	End	21992
GI	none	Score	.53
Exons	21007..21015, 21390..21563, 21634..21672, 21930..21992		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103057	Strand	-
Start	443	End	623
Name	OJ991202_19.0421.C7.o1.gs	Method	GENSCAN
Start	443	End	623
GI	none	Score	.64
Exons	443..623		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103058	Strand	-
Start	11486	End	20230
Name	OJ991202_19.0421.C7.o4.gs	Method	GENSCAN
Start	11486	End	20230
GI	none	Score	.69
Exons	11486..12295, 12394..12591, 13453..13710, 13921..14067, 14493..15668, 16386..16535, 16630..17108, 17150..17271, 18455..18886, 18920..19146, 20153..20230		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103058	Strand	-
Start	11486	End	20230
Name	OJ991202_19.0421.C7.o1.gp	Method	AAT/GAP

Start	13207	End	14845
GI	2071_1.R1084	Score	1929
Exons	13207..13710, 13921..14067, 14493..14845		
GI Descrip.	'5921663/gb|AAD56290.1|AF162279_1 1.0e-122 (AF162279) 10-formyltetrahydrofolate synthetase [Arabidopsis thaliana]'		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103058	Strand	-
Start	11486	End	20230
Name	OJ991202_19.0421.C7.o3.np	Method	AAT/NAP
Start	13438	End	16785
GI	5921663	Score	2737
Exons	13438..13710, 13921..14067, 14493..15668, 16386..16535, 16630..16785		
GI Descrip.	(AF162279) 10-formyltetrahydrofolate synthetase [Arabidopsis thaliana]		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103058	Strand	-
Start	11486	End	20230
Name	OJ991202_19.0421.C7.o2.gp	Method	AAT/GAP
Start	15243	End	17124
GI	30308_1.R1084	Score	2063
Exons	15243..15668, 16386..16535, 16630..17124		
GI Descrip.	'2507455/sp|P28723|FTHS_SPIOL 7.0e-88 FORMATE--TETRAHYDROFOLATE LIGASE (FORMYLTETRAHYDROFOLATE SYNTHETASE) (FHS) (FTHFS) >gi_322401_pir__A43350 formate--tetrahydrofolate ligase (EC 6.3.4.3) - spinach >gi_170145 (M83940) 10-formyltetrahydrofolate synthetase [Spinacia oleracea]'		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103058	Strand	-
Start	11486	End	20230
Name	OJ991202_19.0421.C7.o4.np	Method	AAT/NAP
Start	17572	End	20024
GI	4887742	Score	67
Exons	17572..17643, 18501..18677, 19927..20024		
GI Descrip.	(AC006533) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103059	Strand	-
Start	22512	End	23435
Name	OJ991202_19.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	13421	End	16794
GI	none	Score	318
Exons	13421..13717, 13435..13719, 13439..13726, 13921..14067, 13922..14068, 14490..15464, 14491..15465, 15438..15494, 15487..15669, 15498..15671, 15628..15678, 16383..16538, 16383..16538, 16625..16657, 16627..16794, 16715..16777		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103059	Strand	-
Start	22512	End	23435
Name	OJ991202_19.0421.C7.o2.tc	Method	TBLASTX:Cress
Start	13429	End	14693
GI	none	Score	380
Exons	13429..13719, 13439..13726, 13921..14067, 13925..14068,		

14484..14687, 14490..14693, 14491..14691

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103059	Strand	-
Start	22512	End	23435
Name	OJ991202_19.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	13435	End	15359
GI	none	Score	419
Exons	13435..13719, 13436..13726, 13920..14069, 13921..14067, 13922..14086, 14462..14602, 14489..14911, 14490..15359, 14491..15330, 14654..15355		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103059	Strand	-
Start	22512	End	23435
Name	OJ991202_19.0421.C7.o1.tc	Method	TBLASTX:Cress
Start	14694	End	15669
GI	none	Score	986
Exons	14694..15659, 14695..15588, 14695..15669, 15628..15660		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103059	Strand	-
Start	22512	End	23435
Name	OJ991202_19.0421.C7.o3.tc	Method	TBLASTX:Cress
Start	16366	End	16782
GI	none	Score	144
Exons	16366..16536, 16383..16538, 16625..16657, 16627..16782, 16715..16774		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103059	Strand	-
Start	22512	End	23435
Name	OJ991202_19.0421.C7.o2.tm	Method	TBLASTX:Maize
Start	16383	End	16794
GI	none	Score	138
Exons	16383..16538, 16384..16536, 16625..16657, 16627..16794, 16715..16777		

Seq. No.	48401	Seq. ID	OJ991202_19.0421.C7
Gene No.	103059	Strand	-
Start	22512	End	23435
Name	OJ991202_19.0421.C7.o6.gs	Method	GENSCAN
Start	22512	End	23435
GI	none	Score	.57
Exons	22512..23435		

Seq. No.	48402	Seq. ID	OJ991202_19.0421.C8
Gene No.	103060	Strand	-
Start	58	End	514
Name	OJ991202_19.0421.C8.o1.gs	Method	GENSCAN
Start	58	End	514
GI	none	Score	.76
Exons	58..273, 402..514		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103061	Strand	+
Start	250	End	1366

Name	OJ991202_11.0421.C1.o1.gs	Method	GENSCAN
Start	250	End	1366
GI	none	Score	.77
Exons	250..520, 607..1366		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103062	Strand	+
Start	5624	End	11746
Name	OJ991202_11.0421.C1.o1.np	Method	AAT/NAP
Start	5624	End	11710
GI	5922631	Score	6769
Exons	5624..5748, 6007..6251, 6510..6712, 6758..7329, 7372..7523, 7650..8576, 9183..11710		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103062	Strand	+
Start	5624	End	11746
Name	OJ991202_11.0421.C1.o3.gs	Method	GENSCAN
Start	5624	End	11746
GI	none	Score	.7
Exons	5624..7896, 8029..8568, 8665..9735, 9808..10388, 10560..11746		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103063	Strand	+
Start	17083	End	24378
Name	OJ991202_11.0421.C1.o5.gs	Method	GENSCAN
Start	17083	End	24313
GI	none	Score	.47
Exons	17083..17248, 18884..19060, 19966..19998, 20522..21006, 21351..22226, 22349..22589, 23018..23149, 23246..24313		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103063	Strand	+
Start	17083	End	24378
Name	OJ991202_11.0421.C1.o3.np	Method	AAT/NAP
Start	20255	End	24378
GI	6466937	Score	1246
Exons	20255..20319, 20749..20980, 21894..22354, 22400..24378		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103064	Strand	-
Start	3276	End	4799
Name	OJ991202_11.0421.C1.o2.gs	Method	GENSCAN
Start	3276	End	4799
GI	none	Score	.75
Exons	3276..3295, 3342..3449, 4305..4411, 4588..4799		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1

Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o1.tc	Method	TBLASTX:Cress
Start	249	End	1156
GI	none	Score	67
Exons	249..347, 330..488, 604..762, 605..796, 784..915, 788..925, 947..1156		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o1.ts	Method	TBLASTX:Soybean
Start	258	End	877
GI	none	Score	53
Exons	258..314, 330..521, 601..762, 602..766, 788..877, 788..844		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o4.tm	Method	TBLASTX:Maize
Start	426	End	1186
GI	none	Score	89
Exons	426..521, 604..765, 605..766, 638..766, 788..943, 953..1186		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o9.tw	Method	TBLASTX:Wheat
Start	432	End	919
GI	none	Score	48
Exons	432..485, 604..744, 605..754, 787..915, 788..919		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o8.tw	Method	TBLASTX:Wheat
Start	6934	End	7336
GI	none	Score	285
Exons	6934..7203, 6935..7336		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o6.tw	Method	TBLASTX:Wheat
Start	7916	End	8593
GI	none	Score	137
Exons	7916..8092, 8137..8373, 8141..8371, 8420..8593		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o9.tm	Method	TBLASTX:Maize
Start	8224	End	8401
GI	none	Score	187
Exons	8224..8370, 8225..8401, 8225..8371		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1

Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o1.tw	Method	TBLASTX:Wheat
Start	8593	End	23730
GI	none	Score	497
Exons	8593..9048, 8594..9049, 23512..23730, 23532..23729		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o2.tc	Method	TBLASTX:Cress
Start	8819	End	23817
GI	none	Score	132
Exons	8819..9124, 23494..23817		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o1.tm	Method	TBLASTX:Maize
Start	8834	End	23901
GI	none	Score	166
Exons	8834..9112, 23422..23901, 23433..23663, 23458..23868, 23694..23900		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o4.ts	Method	TBLASTX:Soybean
Start	8834	End	23715
GI	none	Score	93
Exons	8834..9040, 23401..23715		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o7.tw	Method	TBLASTX:Wheat
Start	9049	End	24045
GI	none	Score	336
Exons	9049..9147, 9050..9367, 9053..9364, 9217..9366, 23734..24045		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o2.tm	Method	TBLASTX:Maize
Start	9242	End	24378
GI	none	Score	176
Exons	9242..9646, 23925..24173, 23929..24378, 23929..24378		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o2.ts	Method	TBLASTX:Soybean
Start	9242	End	24168
GI	none	Score	106
Exons	9242..9505, 23824..24168, 23829..24110		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1

Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o3.tw	Method	TBLASTX:Wheat
Start	9403	End	9841
GI	none	Score	82
Exons	9403..9822, 9409..9621, 9413..9841		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o3.ts	Method	TBLASTX:Soybean
Start	9869	End	10257
GI	none	Score	87
Exons	9869..9973, 9877..9963, 10009..10257, 10013..10255		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o5.tw	Method	TBLASTX:Wheat
Start	9878	End	10300
GI	none	Score	404
Exons	9878..10300, 9883..10224		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o8.tm	Method	TBLASTX:Maize
Start	9931	End	10204
GI	none	Score	133
Exons	9931..10101, 9932..10102, 10106..10204, 10120..10203		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o3.tm	Method	TBLASTX:Maize
Start	10612	End	10975
GI	none	Score	452
Exons	10612..10935, 10613..10936, 10928..10975		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o4.tw	Method	TBLASTX:Wheat
Start	10618	End	11005
GI	none	Score	412
Exons	10618..10929, 10619..11005, 10814..11005		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o7.tm	Method	TBLASTX:Maize
Start	11077	End	11350
GI	none	Score	102
Exons	11077..11166, 11078..11167, 11167..11229, 11171..11254, 11264..11350		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1

Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o2.tw	Method	TBLASTX:Wheat
Start	11120	End	11734
GI	none	Score	355
Exons	11120..11611, 11140..11229, 11270..11296, 11281..11409, 11603..11734		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o6.tm	Method	TBLASTX:Maize
Start	11432	End	11695
GI	none	Score	156
Exons	11432..11614, 11488..11613, 11593..11694, 11594..11695		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o4.gs	Method	GENSCAN
Start	12077	End	15881
GI	none	Score	.65
Exons	12077..12528, 12602..12706, 12778..12967, 13042..13229, 13331..13665, 13904..14034, 14121..14447, 15852..15881		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o2.np	Method	AAT/NAP
Start	12089	End	15003
GI	6691716	Score	2351
Exons	12089..12528, 12602..12716, 12866..12967, 13042..13230, 13308..13486, 13563..13665, 13742..13919, 14117..15003		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o11.tw	Method	TBLASTX:Wheat
Start	14631	End	14880
GI	none	Score	82
Exons	14631..14876, 14632..14880		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378
Name	OJ991202_11.0421.C1.o5.tm	Method	TBLASTX:Maize
Start	22540	End	23376
GI	none	Score	138
Exons	22540..22653, 22541..22672, 22565..22666, 22739..22984, 23069..23158, 23284..23376		

Seq. No.	48403	Seq. ID	OJ991202_11.0421.C1
Gene No.	103065	Strand	-
Start	12077	End	24378

Name	OJ991202_11.0421.C1.o10.tw	Method	TBLASTX:Wheat
Start	24049	End	24366
GI	none	Score	230
Exons	24049..24366, 24187..24333		

Seq. No.	48404	Seq. ID	OJ991202_11.0421.C2
Gene No.	103066	Strand	+
Start	1	End	1319
Name	OJ991202_11.0421.C2.o1.np	Method	AAT/NAP
Start	1	End	1319
GI	6466937	Score	979
Exons	1..1319		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	48404	Seq. ID	OJ991202_11.0421.C2
Gene No.	103066	Strand	+
Start	1	End	1319
Name	OJ991202_11.0421.C2.o3.tw	Method	TBLASTX:Wheat
Start	2	End	211
GI	none	Score	215
Exons	2..211, 2..118, 25..210		

Seq. No.	48404	Seq. ID	OJ991202_11.0421.C2
Gene No.	103066	Strand	+
Start	1	End	1319
Name	OJ991202_11.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	53	End	689
GI	none	Score	146
Exons	53..211, 191..328, 210..533, 210..689, 211..687		

Seq. No.	48404	Seq. ID	OJ991202_11.0421.C2
Gene No.	103066	Strand	+
Start	1	End	1319
Name	OJ991202_11.0421.C2.o1.ts	Method	TBLASTX:Soybean
Start	77	End	459
GI	none	Score	96
Exons	77..211, 210..368, 211..459		

Seq. No.	48404	Seq. ID	OJ991202_11.0421.C2
Gene No.	103066	Strand	+
Start	1	End	1319
Name	OJ991202_11.0421.C2.o2.tw	Method	TBLASTX:Wheat
Start	307	End	699
GI	none	Score	306
Exons	307..699, 402..698		

Seq. No.	48404	Seq. ID	OJ991202_11.0421.C2
Gene No.	103066	Strand	+
Start	1	End	1319
Name	OJ991202_11.0421.C2.o1.gs	Method	GENSCAN
Start	598	End	1185
GI	none	Score	.67
Exons	598..1185		

Seq. No.	48404	Seq. ID	OJ991202_11.0421.C2
Gene No.	103066	Strand	+

Start	1	End	1319
Name	OJ991202_11.0421.C2.o2.tm	Method	TBLASTX:Maize
Start	694	End	1315
GI	none	Score	395
Exons	694..1095, 795..1058, 1090..1311, 1135..1269, 1229..1315		

Seq. No.	48404	Seq. ID	OJ991202_11.0421.C2
Gene No.	103066	Strand	+
Start	1	End	1319
Name	OJ991202_11.0421.C2.o1.tw	Method	TBLASTX:Wheat
Start	760	End	1164
GI	none	Score	371
Exons	760..1164, 816..1043		

Seq. No.	48405	Seq. ID	OJ991202_11.0421.C3
Gene No.	103067	Strand	+
Start	1	End	1410
Name	OJ991202_11.0421.C3.o1.np	Method	AAT/NAP
Start	1	End	1365
GI	6729489	Score	621
Exons	1..136, 179..537, 634..1365		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48405	Seq. ID	OJ991202_11.0421.C3
Gene No.	103067	Strand	+
Start	1	End	1410
Name	OJ991202_11.0421.C3.o1.gs	Method	GENSCAN
Start	110	End	1410
GI	none	Score	.61
Exons	110..537, 634..919, 1013..1209, 1260..1410		

Seq. No.	48405	Seq. ID	OJ991202_11.0421.C3
Gene No.	103067	Strand	+
Start	1	End	1410
Name	OJ991202_11.0421.C3.o1.tc	Method	TBLASTX:Cress
Start	170	End	1159
GI	none	Score	217
Exons	170..505, 618..737, 631..735, 632..793, 811..930, 815..937, 965..1141, 974..1159		

Seq. No.	48405	Seq. ID	OJ991202_11.0421.C3
Gene No.	103067	Strand	+
Start	1	End	1410
Name	OJ991202_11.0421.C3.o1.ts	Method	TBLASTX:Soybean
Start	190	End	1162
GI	none	Score	226
Exons	190..300, 194..511, 632..787, 815..934, 1052..1162		

Seq. No.	48405	Seq. ID	OJ991202_11.0421.C3
Gene No.	103067	Strand	+
Start	1	End	1410
Name	OJ991202_11.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	217	End	1174
GI	none	Score	88
Exons	217..294, 218..301, 311..508, 611..787, 802..930, 815..994, 1031..1174		

Seq. No.	48405	Seq. ID	OJ991202_11.0421.C3
Gene No.	103067	Strand	+
Start	1	End	1410
Name	OJ991202_11.0421.C3.o1.tw	Method	TBLASTX:Wheat
Start	664	End	937
GI	none	Score	220
Exons	664..726, 665..937, 668..787, 811..930		

Seq. No.	48406	Seq. ID	OJ991202_11.0421.C4
Gene No.	103068	Strand	+
Start	3236	End	3759
Name	OJ991202_11.0421.C4.o1.gs	Method	GENSCAN
Start	3236	End	3715
GI	none	Score	.96
Exons	3236..3715		

Seq. No.	48406	Seq. ID	OJ991202_11.0421.C4
Gene No.	103068	Strand	+
Start	3236	End	3759
Name	OJ991202_11.0421.C4.o1.np	Method	AAT/NAP
Start	3236	End	3759
GI	99883	Score	157
Exons	3236..3629, 3726..3759		
GI Descrip.	lectin precursor - coral tree gi|288303|emb|CAA36986.1| (X52782) lectin [Erythrina corallodendron]		

Seq. No.	48406	Seq. ID	OJ991202_11.0421.C4
Gene No.	103069	Strand	-
Start	3266	End	3757
Name	OJ991202_11.0421.C4.o1.gp	Method	AAT/GAP
Start	3266	End	3757
GI	2428769	Score	305
Exons	3266..3301, 3592..3757		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103070	Strand	+
Start	3451	End	6799
Name	OJ991202_11.0421.C5.o2.np	Method	AAT/NAP
Start	3451	End	6719
GI	5545339	Score	638
Exons	3451..3494, 4954..5916, 6033..6719		
GI Descrip.	(AB030083) lectin-like protein kinase [Populus nigra]		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103070	Strand	+
Start	3451	End	6799
Name	OJ991202_11.0421.C5.o2.gs	Method	GENSCAN
Start	4955	End	6799
GI	none	Score	.84
Exons	4955..5916, 6033..6226, 6382..6496, 6655..6724, 6791..6799		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o1.gs	Method	GENSCAN
Start	117	End	4465

GI	none	Score	.76
Exons	117..198, 215..913, 952..1860, 1874..1989, 2013..4465		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o1.np	Method	AAT/NAP
Start	192	End	4354
GI	7228446	Score	2974
Exons	192..1058, 1146..2015, 2079..3731, 3765..4354		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o4.tm	Method	TBLASTX:Maize
Start	198	End	863
GI	none	Score	50
Exons	198..452, 205..435, 525..674, 535..669, 678..863, 682..861		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o3.ts	Method	TBLASTX:Soybean
Start	201	End	851
GI	none	Score	67
Exons	201..461, 202..390, 279..578, 525..677, 690..851, 724..822		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o1.tc	Method	TBLASTX:Cress
Start	210	End	872
GI	none	Score	71
Exons	210..461, 301..426, 525..575, 591..872, 604..714, 771..872		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o6.tw	Method	TBLASTX:Wheat
Start	240	End	683
GI	none	Score	84
Exons	240..434, 241..432, 480..659, 525..683		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o2.tw	Method	TBLASTX:Wheat
Start	1019	End	1559
GI	none	Score	78
Exons	1019..1228, 1214..1414, 1214..1558, 1218..1559		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670

Name	OJ991202_11.0421.C5.o7.tm	Method	TBLASTX:Maize
Start	1025	End	1378
GI	none	Score	77
Exons	1025..1378, 1122..1376		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o2.ts	Method	TBLASTX:Soybean
Start	1223	End	1732
GI	5509260	Score	92
Exons	1223..1732, 1224..1400, 1437..1679		
GI Descrip.	-		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o4.tc	Method	TBLASTX:Cress
Start	1340	End	1601
GI	none	Score	135
Exons	1340..1600, 1359..1601		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o2.tm	Method	TBLASTX:Maize
Start	1379	End	1693
GI	none	Score	229
Exons	1379..1693, 1380..1679, 1478..1687		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	2087	End	2587
GI	none	Score	179
Exons	2087..2587, 2292..2579		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o2.tc	Method	TBLASTX:Cress
Start	2123	End	2572
GI	none	Score	74
Exons	2123..2572, 2292..2462, 2405..2569		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	2189	End	2614
GI	none	Score	214
Exons	2189..2251, 2273..2614, 2274..2603		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670

Name	OJ991202_11.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	2255	End	2821
GI	none	Score	143
Exons	2255..2356, 2360..2821, 2367..2819		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o5.ts	Method	TBLASTX:Soybean
Start	2627	End	2956
GI	none	Score	68
Exons	2627..2956, 2763..2915, 2780..2860		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o3.tw	Method	TBLASTX:Wheat
Start	2894	End	3350
GI	none	Score	105
Exons	2894..2980, 2981..3088, 3104..3349, 3147..3350		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o6.tm	Method	TBLASTX:Maize
Start	2960	End	3371
GI	none	Score	105
Exons	2960..3091, 3152..3370, 3195..3371		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o5.tm	Method	TBLASTX:Maize
Start	3773	End	4171
GI	none	Score	84
Exons	3773..3865, 3845..3955, 3867..3956, 3962..4159, 3968..4171, 3972..4166		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o4.tw	Method	TBLASTX:Wheat
Start	3896	End	4291
GI	none	Score	80
Exons	3896..4291, 3920..4018		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o5.tc	Method	TBLASTX:Cress
Start	4001	End	4300
GI	none	Score	80
Exons	4001..4300, 4086..4238		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670

Name	OJ991202_11.0421.C5.o8.tm	Method	TBLASTX:Maize
Start	4185	End	4470
GI	none	Score	73
Exons	4185..4397, 4187..4402, 4429..4470		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103071	Strand	-
Start	117	End	4670
Name	OJ991202_11.0421.C5.o1.gp	Method	AAT/GAP
Start	4227	End	4670
GI	2428769	Score	830
Exons	4227..4670		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103072	Strand	
Start	5267	End	6599
Name	OJ991202_11.0421.C5.o3.tc	Method	TBLASTX:Cress
Start	5267	End	6575
GI	none	Score	81
Exons	5267..5368, 5299..5367, 5540..5725, 5726..5884, 6004..6033, 6016..6210, 6030..6188, 6214..6276, 6281..6340, 6285..6356, 6378..6575		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103072	Strand	
Start	5267	End	6599
Name	OJ991202_11.0421.C5.o9.tm	Method	TBLASTX:Maize
Start	5576	End	5821
GI	none	Score	98
Exons	5576..5677, 5596..5691, 5723..5821, 5731..5820		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103072	Strand	
Start	5267	End	6599
Name	OJ991202_11.0421.C5.o4.ts	Method	TBLASTX:Soybean
Start	5654	End	6276
GI	none	Score	48
Exons	5654..5710, 5726..5917, 5806..5910, 6015..6212, 6016..6192, 6214..6276		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103072	Strand	
Start	5267	End	6599
Name	OJ991202_11.0421.C5.o5.tw	Method	TBLASTX:Wheat
Start	5753	End	6258
GI	none	Score	86
Exons	5753..5902, 6016..6258		

Seq. No.	48407	Seq. ID	OJ991202_11.0421.C5
Gene No.	103072	Strand	
Start	5267	End	6599
Name	OJ991202_11.0421.C5.o3.tm	Method	TBLASTX:Maize
Start	5822	End	6599
GI	none	Score	91
Exons	5822..5917, 5827..5919, 6016..6192, 6030..6197, 6214..6282, 6285..6344, 6378..6599		

Seq. No.	48408	Seq. ID	OJ991202_11.0421.C6
Gene No.	103073	Strand	+
Start	1831	End	2151
Name	OJ991202_11.0421.C6.o1.gs	Method	GENSCAN
Start	1831	End	2151
GI	none	Score	.79
Exons	1831..2151		

Seq. No.	48408	Seq. ID	OJ991202_11.0421.C6
Gene No.	103074	Strand	+
Start	2471	End	4098
Name	OJ991202_11.0421.C6.o2.gs	Method	GENSCAN
Start	2471	End	4098
GI	none	Score	.69
Exons	2471..2725, 2751..3175, 3180..3310, 3374..3532, 3798..3964, 4036..4098		

Seq. No.	48408	Seq. ID	OJ991202_11.0421.C6
Gene No.	103075	Strand	+
Start	6378	End	7594
Name	OJ991202_11.0421.C6.o2.np	Method	AAT/NAP
Start	5322	End	7594
GI	7488202	Score	75
Exons	5322..5355, 7201..7407, 7449..7594		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F25E4.80 - Arabidopsis thaliana gi|7267846|emb|CAB78189.1| (AL161532) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7321043|emb|CAB82151.1| (AL050399) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48408	Seq. ID	OJ991202_11.0421.C6
Gene No.	103075	Strand	+
Start	6378	End	7594
Name	OJ991202_11.0421.C6.o4.gs	Method	GENSCAN
Start	6378	End	7583
GI	none	Score	.92
Exons	6378..7583		

Seq. No.	48408	Seq. ID	OJ991202_11.0421.C6
Gene No.	103075	Strand	+
Start	6378	End	7594
Name	OJ991202_11.0421.C6.o1.np	Method	AAT/NAP
Start	6456	End	7184
GI	282897	Score	254
Exons	6456..7184		
GI Descrip.	lectin, anti-H(O) - Cytisus sessilifolius gi|228857|prf||1813204A anti-H(O) lectin [Cytisus sessilifolius]		

Seq. No.	48408	Seq. ID	OJ991202_11.0421.C6
Gene No.	103076	Strand	-
Start	4198	End	5095
Name	OJ991202_11.0421.C6.o3.gs	Method	GENSCAN
Start	4198	End	5095
GI	none	Score	.52
Exons	4198..4517, 4566..4703, 4762..5095		

Seq. No.	48408	Seq. ID	OJ991202_11.0421.C6

Gene No.	103077	Strand	
Start	6552	End	7172
Name	OJ991202_11.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	6552	End	7172
GI	none	Score	74
Exons	6552..6635, 6669..6767, 6831..6920, 7032..7172		

Seq. No.	48408	Seq. ID	OJ991202_11.0421.C6
Gene No.	103077	Strand	
Start	6552	End	7172
Name	OJ991202_11.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	6822	End	7016
GI	none	Score	204
Exons	6822..7016, 6827..7009		

Seq. No.	48409	Seq. ID	OJ991202_11.0421.C7
Gene No.	103078	Strand	+
Start	1	End	732
Name	OJ991202_11.0421.C7.o1.np	Method	AAT/NAP
Start	1	End	639
GI	1418331	Score	404
Exons	1..639		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	48409	Seq. ID	OJ991202_11.0421.C7
Gene No.	103078	Strand	+
Start	1	End	732
Name	OJ991202_11.0421.C7.o1.gs	Method	GENSCAN
Start	63	End	732
GI	none	Score	.97
Exons	63..732		

Seq. No.	48409	Seq. ID	OJ991202_11.0421.C7
Gene No.	103079	Strand	+
Start	2125	End	4583
Name	OJ991202_11.0421.C7.o1.tc	Method	TBLASTX:Cress
Start	58	End	612
GI	none	Score	203
Exons	58..222, 61..240, 240..371, 244..372, 388..612		

Seq. No.	48409	Seq. ID	OJ991202_11.0421.C7
Gene No.	103079	Strand	+
Start	2125	End	4583
Name	OJ991202_11.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	61	End	642
GI	none	Score	167
Exons	61..222, 100..222, 244..372, 255..383, 409..642, 409..594		

Seq. No.	48409	Seq. ID	OJ991202_11.0421.C7
Gene No.	103079	Strand	+
Start	2125	End	4583
Name	OJ991202_11.0421.C7.o1.tw	Method	TBLASTX:Wheat
Start	61	End	375
GI	none	Score	138
Exons	61..213, 255..371, 256..375		

Seq. No.	48409	Seq. ID	OJ991202_11.0421.C7

Gene No.	103079	Strand	+
Start	2125	End	4583
Name	OJ991202_11.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	70	End	486
GI	none	Score	172
Exons	70..237, 156..218, 255..365, 256..366, 382..483, 409..486		

Seq. No.	48409	Seq. ID	OJ991202_11.0421.C7
Gene No.	103079	Strand	+
Start	2125	End	4583
Name	OJ991202_11.0421.C7.o2.gs	Method	GENSCAN
Start	2125	End	4583
GI	none	Score	.64
Exons	2125..2213, 2404..2705, 3046..3144, 4256..4429, 4515..4583		

Seq. No.	48410	Seq. ID	OJ991202_11.0421.C8
Gene No.	103080	Strand	+
Start	541	End	1062
Name	OJ991202_11.0421.C8.o1.gs	Method	GENSCAN
Start	541	End	1062
GI	none	Score	.85
Exons	541..546, 961..1062		

Seq. No.	48410	Seq. ID	OJ991202_11.0421.C8
Gene No.	103081	Strand	+
Start	2685	End	8049
Name	OJ991202_11.0421.C8.o2.gs	Method	GENSCAN
Start	2685	End	4830
GI	none	Score	.96
Exons	2685..4081, 4176..4830		

Seq. No.	48410	Seq. ID	OJ991202_11.0421.C8
Gene No.	103081	Strand	+
Start	2685	End	8049
Name	OJ991202_11.0421.C8.o1.np	Method	AAT/NAP
Start	2703	End	8049
GI	7446441	Score	698
Exons	2703..3620, 3689..4081, 4176..4719, 7909..8049		
GI Descrip.	probable serine/threonine-specific protein kinase F13M22.21 (EC 2.7.1.-) - Arabidopsis thaliana gi|3236253|gb|AAC23641.1| (AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	48410	Seq. ID	OJ991202_11.0421.C8
Gene No.	103082	Strand	-
Start	6713	End	8122
Name	OJ991202_11.0421.C8.o2.ts	Method	TBLASTX:Soybean
Start	2888	End	3230
GI	none	Score	149
Exons	2888..3028, 2889..3071, 3072..3173, 3119..3172, 3183..3230		

Seq. No.	48410	Seq. ID	OJ991202_11.0421.C8
Gene No.	103082	Strand	-
Start	6713	End	8122
Name	OJ991202_11.0421.C8.o2.tm	Method	TBLASTX:Maize
Start	3123	End	3317
GI	none	Score	204

Exons	3123..3317, 3128..3310		
Seq. No.	48410	Seq. ID	OJ991202_11.0421.C8
Gene No.	103082	Strand	-
Start	6713	End	8122
Name	OJ991202_11.0421.C8.o1.tc	Method	TBLASTX:Cress
Start	3123	End	4725
GI	none	Score	71
Exons	3123..3224, 3348..3458, 3705..3890, 3885..4049, 4171..4335, 4174..4353, 4357..4494, 4368..4484, 4516..4725		
Seq. No.	48410	Seq. ID	OJ991202_11.0421.C8
Gene No.	103082	Strand	-
Start	6713	End	8122
Name	OJ991202_11.0421.C8.o3.tm	Method	TBLASTX:Maize
Start	3729	End	3986
GI	none	Score	105
Exons	3729..3764, 3741..3842, 3761..3853, 3888..3986, 3896..3985		
Seq. No.	48410	Seq. ID	OJ991202_11.0421.C8
Gene No.	103082	Strand	-
Start	6713	End	8122
Name	OJ991202_11.0421.C8.o1.ts	Method	TBLASTX:Soybean
Start	3819	End	4446
GI	none	Score	51
Exons	3819..3875, 3885..4082, 3971..4090, 4171..4335, 4171..4335, 4357..4446		
Seq. No.	48410	Seq. ID	OJ991202_11.0421.C8
Gene No.	103082	Strand	-
Start	6713	End	8122
Name	OJ991202_11.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	3993	End	4755
GI	none	Score	91
Exons	3993..4085, 4153..4335, 4248..4334, 4357..4485, 4368..4484, 4423..4536, 4522..4755, 4522..4707, 4524..4742		
Seq. No.	48410	Seq. ID	OJ991202_11.0421.C8
Gene No.	103082	Strand	-
Start	6713	End	8122
Name	OJ991202_11.0421.C8.o1.tw	Method	TBLASTX:Wheat
Start	4174	End	4488
GI	none	Score	138
Exons	4174..4326, 4248..4316, 4368..4484, 4369..4488		
Seq. No.	48410	Seq. ID	OJ991202_11.0421.C8
Gene No.	103082	Strand	-
Start	6713	End	8122
Name	OJ991202_11.0421.C8.o3.gs	Method	GENSCAN
Start	6713	End	8122
GI	none	Score	.65
Exons	6713..6770, 7904..8122		
Seq. No.	48411	Seq. ID	OJ991202_11.0421.C9
Gene No.	103083	Strand	+
Start	1	End	445
Name	OJ991202_11.0421.C9.o1.np	Method	AAT/NAP

Start	1	End	445
GI	6729489	Score	155
Exons	1..445		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48411	Seq. ID	OJ991202_11.0421.C9
Gene No.	103083	Strand	+
Start	1	End	445
Name	OJ991202_11.0421.C9.o1.tc	Method	TBLASTX:Cress
Start	2	End	292
GI	none	Score	72
Exons	2..61, 83..292		

Seq. No.	48411	Seq. ID	OJ991202_11.0421.C9
Gene No.	103083	Strand	+
Start	1	End	445
Name	OJ991202_11.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	2	End	280
GI	none	Score	74
Exons	2..52, 89..280		

Seq. No.	48411	Seq. ID	OJ991202_11.0421.C9
Gene No.	103083	Strand	+
Start	1	End	445
Name	OJ991202_11.0421.C9.o1.gs	Method	GENSCAN
Start	23	End	412
GI	none	Score	.98
Exons	23..412		

Seq. No.	48412	Seq. ID	OJ991202_11.0421.C11
Gene No.	103084	Strand	+
Start	547	End	665
Name	OJ991202_11.0421.C11.o1.gs	Method	GENSCAN
Start	547	End	665
GI	none	Score	.97
Exons	547..665		

Seq. No.	48413	Seq. ID	OJ991202_11.0421.C12
Gene No.	103085	Strand	-
Start	216	End	617
Name	OJ991202_11.0421.C12.o1.np	Method	AAT/NAP
Start	216	End	617
GI	7340868	Score	153
Exons	216..617		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48414	Seq. ID	OJ991202_11.0421.C16
Gene No.	103086	Strand	+
Start	153	End	1420
Name	OJ991202_11.0421.C16.o1.np	Method	AAT/NAP
Start	153	End	1417
GI	6983860	Score	2178
Exons	153..1417		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	48414	Seq. ID	OJ991202_11.0421.C16
Gene No.	103086	Strand	+
Start	153	End	1420
Name	OJ991202_11.0421.C16.o2.tw	Method	TBLASTX:Wheat
Start	155	End	406
GI	none	Score	391
Exons	155..406, 157..402, 158..406		

Seq. No.	48414	Seq. ID	OJ991202_11.0421.C16
Gene No.	103086	Strand	+
Start	153	End	1420
Name	OJ991202_11.0421.C16.o1.ts	Method	TBLASTX:Soybean
Start	194	End	454
GI	none	Score	301
Exons	194..454, 205..453		

Seq. No.	48414	Seq. ID	OJ991202_11.0421.C16
Gene No.	103086	Strand	+
Start	153	End	1420
Name	OJ991202_11.0421.C16.o1.gs	Method	GENSCAN
Start	218	End	1420
GI	none	Score	.59
Exons	218..1420		

Seq. No.	48414	Seq. ID	OJ991202_11.0421.C16
Gene No.	103086	Strand	+
Start	153	End	1420
Name	OJ991202_11.0421.C16.o2.tm	Method	TBLASTX:Maize
Start	253	End	544
GI	none	Score	411
Exons	253..540, 254..544, 386..541		

Seq. No.	48414	Seq. ID	OJ991202_11.0421.C16
Gene No.	103086	Strand	+
Start	153	End	1420
Name	OJ991202_11.0421.C16.o1.tw	Method	TBLASTX:Wheat
Start	413	End	1039
GI	none	Score	723
Exons	413..1039, 472..918, 473..997, 979..1038		

Seq. No.	48414	Seq. ID	OJ991202_11.0421.C16
Gene No.	103086	Strand	+
Start	153	End	1420
Name	OJ991202_11.0421.C16.o1.tm	Method	TBLASTX:Maize
Start	592	End	1177
GI	none	Score	229
Exons	592..747, 593..754, 751..915, 752..1177, 979..1176		

Seq. No.	48414	Seq. ID	OJ991202_11.0421.C16
Gene No.	103086	Strand	+
Start	153	End	1420
Name	OJ991202_11.0421.C16.o3.tw	Method	TBLASTX:Wheat
Start	1039	End	1372
GI	none	Score	314
Exons	1039..1320, 1040..1372		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17

Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o1.gs	Method	GENSCAN
Start	108	End	5425
GI	none	Score	.7
Exons	108..400, 1129..2107, 2152..2266, 2325..3340, 3410..5425		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o1.np	Method	AAT/NAP
Start	1115	End	5617
GI	4680179	Score	5361
Exons	1115..4516, 4550..5617		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o5.tw	Method	TBLASTX:Wheat
Start	1160	End	1493
GI	none	Score	120
Exons	1160..1492, 1181..1489, 1224..1493		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o1.tm	Method	TBLASTX:Maize
Start	1340	End	1939
GI	none	Score	217
Exons	1340..1780, 1356..1778, 1778..1939, 1785..1931		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o1.tw	Method	TBLASTX:Wheat
Start	1493	End	2119
GI	none	Score	67
Exons	1493..2119, 1496..1618, 1605..2063		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o4.tm	Method	TBLASTX:Maize
Start	1988	End	2280
GI	none	Score	206
Exons	1988..2278, 1992..2279, 2092..2280		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o2.ts	Method	TBLASTX:Soybean
Start	2078	End	2338
GI	none	Score	159
Exons	2078..2338, 2079..2333		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17

Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o2.tw	Method	TBLASTX:Wheat
Start	2126	End	2693
GI	none	Score	336
Exons	2126..2662, 2130..2693		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o2.tm	Method	TBLASTX:Maize
Start	2684	End	3047
GI	none	Score	168
Exons	2684..3046, 2693..3046, 2697..3047		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o3.tw	Method	TBLASTX:Wheat
Start	2696	End	3118
GI	none	Score	364
Exons	2696..3118, 2697..3086		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o3.ts	Method	TBLASTX:Soybean
Start	2867	End	3112
GI	none	Score	93
Exons	2867..3112, 2868..3095		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o5.tm	Method	TBLASTX:Maize
Start	3053	End	3400
GI	none	Score	164
Exons	3053..3400, 3054..3308		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o7.tw	Method	TBLASTX:Wheat
Start	3119	End	3419
GI	none	Score	122
Exons	3119..3331, 3125..3319, 3135..3419, 3327..3383		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o1.ts	Method	TBLASTX:Soybean
Start	3134	End	3529
GI	none	Score	180
Exons	3134..3493, 3135..3425, 3453..3491, 3497..3529, 3498..3527		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-

Start	108	End	5617
Name	OJ991202_11.0421.C17.o3.tm	Method	TBLASTX:Maize
Start	3416	End	3847
GI	none	Score	79
Exons	3416..3847, 3423..3617		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o4.tw	Method	TBLASTX:Wheat
Start	3470	End	3956
GI	none	Score	290
Exons	3470..3847, 3513..3956, 3902..3952		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o8.tw	Method	TBLASTX:Wheat
Start	4067	End	4489
GI	none	Score	69
Exons	4067..4234, 4122..4235, 4280..4489, 4281..4433		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o7.tm	Method	TBLASTX:Maize
Start	4172	End	4447
GI	none	Score	185
Exons	4172..4447		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o6.tw	Method	TBLASTX:Wheat
Start	4808	End	5172
GI	none	Score	112
Exons	4808..5158, 4965..5159, 4990..5172		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o6.tm	Method	TBLASTX:Maize
Start	4853	End	5158
GI	none	Score	90
Exons	4853..5158, 5028..5144		

Seq. No.	48415	Seq. ID	OJ991202_11.0421.C17
Gene No.	103087	Strand	-
Start	108	End	5617
Name	OJ991202_11.0421.C17.o9.tw	Method	TBLASTX:Wheat
Start	5193	End	5556
GI	none	Score	107
Exons	5193..5390, 5195..5392, 5503..5535, 5518..5556		

Seq. No.	48416	Seq. ID	OJ991202_11.0421.C18
Gene No.	103088	Strand	+
Start	696	End	1781

Name	OJ991202_11.0421.C18.o2.np	Method	AAT/NAP
Start	696	End	1781
GI	4680186	Score	339
Exons	696..744, 1580..1781		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48416	Seq. ID	OJ991202_11.0421.C18
Gene No.	103089	Strand	+
Start	2146	End	2265
Name	OJ991202_11.0421.C18.o2.gs	Method	GENSCAN
Start	2146	End	2265
GI	none	Score	.4
Exons	2146..2265		

Seq. No.	48416	Seq. ID	OJ991202_11.0421.C18
Gene No.	103090	Strand	-
Start	1	End	1714
Name	OJ991202_11.0421.C18.o1.gp	Method	AAT/GAP
Start	1	End	170
GI	95437_1.R1084	Score	316
Exons	1..170		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	48416	Seq. ID	OJ991202_11.0421.C18
Gene No.	103090	Strand	-
Start	1	End	1714
Name	OJ991202_11.0421.C18.o1.np	Method	AAT/NAP
Start	1	End	445
GI	6983858	Score	154
Exons	1..445		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	48416	Seq. ID	OJ991202_11.0421.C18
Gene No.	103090	Strand	-
Start	1	End	1714
Name	OJ991202_11.0421.C18.o1.gs	Method	GENSCAN
Start	13	End	1609
GI	none	Score	.56
Exons	13..273, 316..445, 1544..1609		

Seq. No.	48416	Seq. ID	OJ991202_11.0421.C18
Gene No.	103090	Strand	-
Start	1	End	1714
Name	OJ991202_11.0421.C18.o2.gp	Method	AAT/GAP
Start	1329	End	1714
GI	uC-osflcyp033a04b1	Score	641
Exons	1329..1714		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103091	Strand	+
Start	6944	End	12816
Name	OJ991202_11.0421.C19.o2.gs	Method	GENSCAN

Start	6944	End	12816
GI	none	Score	.64
Exons	6944..7672, 8365..8549, 9090..9150, 9513..9752, 9912..10618, 11254..11921, 11932..12185, 12490..12816		

Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103091	Strand	+
Start	6944	End	12816
Name	OJ991202_11.0421.C19.o5.np	Method	AAT/NAP
Start	8958	End	12305
GI	7106512	Score	2617
Exons	8958..9017, 9090..10538, 10588..10979, 11206..12305		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103092	Strand	-
Start	342	End	4567
Name	OJ991202_11.0421.C19.o1.np	Method	AAT/NAP
Start	342	End	3362
GI	4680179	Score	2547
Exons	342..566, 1658..3362		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103092	Strand	-
Start	342	End	4567
Name	OJ991202_11.0421.C19.o2.np	Method	AAT/NAP
Start	342	End	4567
GI	5042447	Score	2507
Exons	342..566, 1658..3375, 4494..4567		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103092	Strand	-
Start	342	End	4567
Name	OJ991202_11.0421.C19.o3.np	Method	AAT/NAP
Start	3778	End	4565
GI	6983861	Score	1308
Exons	3778..4565		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o4.tw	Method	TBLASTX:Wheat
Start	337	End	572
GI	none	Score	60
Exons	337..498, 342..572, 343..456		

Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o1.tm	Method	TBLASTX:Maize
Start	1757	End	2110
GI	none	Score	213

Exons	1757..2110, 1764..2105		
Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o1.tw	Method	TBLASTX:Wheat
Start	1757	End	2182
GI	none	Score	317
Exons	1757..2182, 1764..2180		
Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o2.ts	Method	TBLASTX:Soybean
Start	1928	End	2176
GI	none	Score	206
Exons	1928..2176		
Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o3.tm	Method	TBLASTX:Maize
Start	2117	End	2396
GI	none	Score	149
Exons	2117..2395, 2118..2396		
Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o3.tw	Method	TBLASTX:Wheat
Start	2183	End	2445
GI	none	Score	178
Exons	2183..2395, 2184..2396, 2392..2445, 2393..2443		
Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o1.ts	Method	TBLASTX:Soybean
Start	2198	End	2592
GI	none	Score	69
Exons	2198..2395, 2201..2350, 2208..2396, 2392..2448, 2411..2440, 2413..2553, 2503..2556, 2560..2592, 2560..2592		
Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o2.tm	Method	TBLASTX:Maize
Start	2503	End	2950
GI	none	Score	116
Exons	2503..2946, 2513..2950		
Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o2.tw	Method	TBLASTX:Wheat
Start	2533	End	3016
GI	none	Score	240

Exons	2533..3015, 2536..3012, 2576..3016		
Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o3.ts	Method	TBLASTX:Soybean
Start	2665	End	2979
GI	none	Score	198
Exons	2665..2979		
Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o4.tm	Method	TBLASTX:Maize
Start	2951	End	3144
GI	none	Score	156
Exons	2951..3106, 2953..3144		
Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o5.tw	Method	TBLASTX:Wheat
Start	3019	End	3324
GI	none	Score	67
Exons	3019..3135, 3020..3097, 3184..3324, 3197..3265		
Seq. No.	48417	Seq. ID	OJ991202_11.0421.C19
Gene No.	103093	Strand	-
Start	5744	End	11015
Name	OJ991202_11.0421.C19.o4.np	Method	AAT/NAP
Start	5744	End	11015
GI	6063554	Score	171
Exons	5744..5918, 7075..7315, 10899..11015		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	48418	Seq. ID	OJ991202_11.0421.C21
Gene No.	103094	Strand	-
Start	1136	End	1291
Name	OJ991202_11.0421.C21.o1.gs	Method	GENSCAN
Start	1136	End	1291
GI	none	Score	.82
Exons	1136..1201, 1232..1291		
Seq. No.	48419	Seq. ID	OJ991202_10.0421.C1
Gene No.	103095	Strand	+
Start	302	End	1315
Name	OJ991202_10.0421.C1.o1.gs	Method	GENSCAN
Start	302	End	1250
GI	none	Score	.89
Exons	302..418, 919..1038, 1141..1250		
Seq. No.	48419	Seq. ID	OJ991202_10.0421.C1
Gene No.	103095	Strand	+
Start	302	End	1315
Name	OJ991202_10.0421.C1.o1.np	Method	AAT/NAP

Start	935	End	1315
GI	7488279	Score	109
Exons	935..1043, 1146..1228, 1282..1315		
GI Descrip.	protein phosphatase 2C homolog F11C18.60 - Arabidopsis thaliana gi|4584525|emb|CAB40756.1| (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana] gi|7270089|emb|CAB79904.1| (AL161579) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	48420	Seq. ID	OJ991202_10.0421.C2
Gene No.	103096	Strand	-
Start	93	End	757
Name	OJ991202_10.0421.C2.o1.gp	Method	AAT/GAP
Start	93	End	536
GI	3761484	Score	772
Exons	93..536		

Seq. No.	48420	Seq. ID	OJ991202_10.0421.C2
Gene No.	103096	Strand	-
Start	93	End	757
Name	OJ991202_10.0421.C2.o1.gs	Method	GENSCAN
Start	260	End	757
GI	none	Score	.47
Exons	260..757		

Seq. No.	48421	Seq. ID	OJ991202_10.0421.C3
Gene No.	103097	Strand	-
Start	1	End	1267
Name	OJ991202_10.0421.C3.o1.np	Method	AAT/NAP
Start	1	End	1267
GI	5852093	Score	76
Exons	1..27, 653..773, 1237..1267		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	48421	Seq. ID	OJ991202_10.0421.C3
Gene No.	103097	Strand	-
Start	1	End	1267
Name	OJ991202_10.0421.C3.o1.gs	Method	GENSCAN
Start	183	End	1127
GI	none	Score	.78
Exons	183..302, 1118..1127		

Seq. No.	48422	Seq. ID	OJ991202_10.0421.C4
Gene No.	103098	Strand	+
Start	3756	End	5064
Name	OJ991202_10.0421.C4.o2.np	Method	AAT/NAP
Start	3756	End	5064
GI	5777617	Score	76
Exons	3756..3783, 4965..5064		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	48422	Seq. ID	OJ991202_10.0421.C4
Gene No.	103099	Strand	-
Start	1	End	1626
Name	OJ991202_10.0421.C4.o1.np	Method	AAT/NAP
Start	1	End	1626
GI	7484780	Score	118

Exons	1..37, 526..616, 1361..1626		
GI Descrip.	26S proteasome regulatory particle chain RPN7 homolog F6I7.30 - Arabidopsis thaliana gi|4678261|emb|CAB41122.1| (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] gi|7269333|emb|CAB79392.1| (AL161562) putative proteasome regulatory subunit [Arabidopsis thaliana]		
Seq. No.	48423	Seq. ID	OJ991202_10.0421.C5
Gene No.	103100	Strand	+
Start	49	End	1143
Name	OJ991202_10.0421.C5.o1.np	Method	AAT/NAP
Start	49	End	938
GI	5669654	Score	85
Exons	49..121, 787..938		
GI Descrip.	(AF096262) ER6 protein [Lycopersicon esculentum]		
Seq. No.	48423	Seq. ID	OJ991202_10.0421.C5
Gene No.	103100	Strand	+
Start	49	End	1143
Name	OJ991202_10.0421.C5.o1.gs	Method	GENSCAN
Start	567	End	1143
GI	none	Score	.6
Exons	567..1143		
Seq. No.	48423	Seq. ID	OJ991202_10.0421.C5
Gene No.	103101	Strand	-
Start	1198	End	1800
Name	OJ991202_10.0421.C5.o2.tm	Method	TBLASTX:Maize
Start	804	End	920
GI	none	Score	185
Exons	804..914, 810..920		
Seq. No.	48423	Seq. ID	OJ991202_10.0421.C5
Gene No.	103101	Strand	-
Start	1198	End	1800
Name	OJ991202_10.0421.C5.o2.gs	Method	GENSCAN
Start	1198	End	1800
GI	none	Score	.97
Exons	1198..1511, 1773..1800		
Seq. No.	48423	Seq. ID	OJ991202_10.0421.C5
Gene No.	103102	Strand	
Start	1974	End	2290
Name	OJ991202_10.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	1974	End	2290
GI	none	Score	199
Exons	1974..2228, 2048..2227, 2243..2290		
Seq. No.	48423	Seq. ID	OJ991202_10.0421.C5
Gene No.	103103	Strand	
Start	2371	End	2667
Name	OJ991202_10.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	2371	End	2667
GI	none	Score	200
Exons	2371..2667, 2376..2519		
Seq. No.	48424	Seq. ID	OJ991202_10.0421.C6

Gene No.	103104	Strand	-
Start	1	End	788
Name	OJ991202_10.0421.C6.o1.np	Method	AAT/NAP
Start	1	End	788
GI	6983857	Score	436
Exons	1..501, 669..788		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	48425	Seq. ID	OJ991202_10.0421.C8
Gene No.	103105	Strand	-
Start	324	End	2086
Name	OJ991202_10.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	319	End	2082
GI	none	Score	215
Exons	319..519, 321..563, 330..518, 587..637, 588..641, 809..943, 812..943, 825..944, 826..948, 831..944, 1052..1138, 1062..1133, 1063..1140, 1067..1147, 2004..2081, 2032..2082, 2033..2080, 2034..2081		

Seq. No.	48425	Seq. ID	OJ991202_10.0421.C8
Gene No.	103105	Strand	-
Start	324	End	2086
Name	OJ991202_10.0421.C8.o1.gs	Method	GENSCAN
Start	324	End	921
GI	none	Score	.91
Exons	324..500, 563..632, 827..921		

Seq. No.	48425	Seq. ID	OJ991202_10.0421.C8
Gene No.	103105	Strand	-
Start	324	End	2086
Name	OJ991202_10.0421.C8.o1.np	Method	AAT/NAP
Start	336	End	2086
GI	3021508	Score	542
Exons	336..500, 587..632, 827..942, 1065..1135, 2027..2086		
GI Descrip.	(AJ001769) glucose-6-phosphate dehydrogenase [Nicotiana tabacum]		

Seq. No.	48425	Seq. ID	OJ991202_10.0421.C8
Gene No.	103105	Strand	-
Start	324	End	2086
Name	OJ991202_10.0421.C8.o1.ts	Method	TBLASTX:Soybean
Start	336	End	2085
GI	none	Score	118
Exons	336..518, 337..501, 587..637, 591..641, 826..948, 827..943, 1062..1139, 1063..1140, 2032..2085		

Seq. No.	48425	Seq. ID	OJ991202_10.0421.C8
Gene No.	103105	Strand	-
Start	324	End	2086
Name	OJ991202_10.0421.C8.o1.tc	Method	TBLASTX:Cress
Start	400	End	2085
GI	none	Score	63
Exons	400..477, 402..455, 448..507, 573..641, 587..637, 826..948, 827..943, 1062..1133, 1063..1131, 1065..1133, 2032..2085		

Seq. No.	48425	Seq. ID	OJ991202_10.0421.C8
Gene No.	103105	Strand	-
Start	324	End	2086

Name	OJ991202_10.0421.C8.o1.gp	Method	AAT/GAP
Start	894	End	2086
GI	LIB3434-013-P1-K1-C10	Score	286
Exons	894..942, 1065..1135, 2027..2086		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48426	Seq. ID	OJ991202_10.0421.C10
Gene No.	103106	Strand	+
Start	1	End	3174
Name	OJ991202_10.0421.C10.o1.np	Method	AAT/NAP
Start	1	End	2969
GI	4505999	Score	103
Exons	1..24, 767..860, 966..1043, 1091..1148, 1243..1325, 1412..1483, 2851..2969		
GI Descrip.	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform gi|3122589|sp|O15355|P2CG_HUMAN PROTEIN PHOSPHATASE 2C GAMMA ISOFORM (PP2C-GAMMA) (PROTEIN PHOSPHATASE 1C) gi|2315202|emb|CAA74245| (Y13936) protein phosphatase 2C gamma [Homo sapiens]		

Seq. No.	48426	Seq. ID	OJ991202_10.0421.C10
Gene No.	103106	Strand	+
Start	1	End	3174
Name	OJ991202_10.0421.C10.o1.gs	Method	GENSCAN
Start	140	End	3174
GI	none	Score	.89
Exons	140..256, 746..865, 968..1148, 1243..1319, 1406..1458, 1625..1676, 1972..3174		

Seq. No.	48426	Seq. ID	OJ991202_10.0421.C10
Gene No.	103107	Strand	+
Start	5864	End	10101
Name	OJ991202_10.0421.C10.o3.gs	Method	GENSCAN
Start	5864	End	10101
GI	none	Score	.42
Exons	5864..5884, 6922..6981, 6986..7088, 7209..7242, 8971..9075, 9969..10101		

Seq. No.	48426	Seq. ID	OJ991202_10.0421.C10
Gene No.	103108	Strand	-
Start	4034	End	5179
Name	OJ991202_10.0421.C10.o2.gs	Method	GENSCAN
Start	4034	End	5179
GI	none	Score	.58
Exons	4034..5179		

Seq. No.	48426	Seq. ID	OJ991202_10.0421.C10
Gene No.	103109	Strand	-
Start	8668	End	9774
Name	OJ991202_10.0421.C10.o3.np	Method	AAT/NAP
Start	8668	End	9774
GI	6815053	Score	697
Exons	8668..8905, 8955..9129, 9629..9774		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	48427	Seq. ID	OJ991202_10.0421.C11

Gene No.	103110	Strand	+
Start	882	End	1879
Name	OJ991202_10.0421.C11.o1.gs	Method	GENSCAN
Start	882	End	1879
GI	none	Score	.66
Exons	882..1044, 1824..1879		

Seq. No.	48427	Seq. ID	OJ991202_10.0421.C11
Gene No.	103111	Strand	-
Start	760	End	1579
Name	OJ991202_10.0421.C11.o1.np	Method	AAT/NAP
Start	760	End	1579
GI	4680183	Score	188
Exons	760..849, 1457..1579		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	48427	Seq. ID	OJ991202_10.0421.C11
Gene No.	103112	Strand	-
Start	2081	End	2296
Name	OJ991202_10.0421.C11.o2.gs	Method	GENSCAN
Start	2081	End	2296
GI	none	Score	.92
Exons	2081..2203, 2264..2296		

Seq. No.	48428	Seq. ID	OJ991202_10.0421.C12
Gene No.	103113	Strand	+
Start	173	End	2118
Name	OJ991202_10.0421.C12.o1.gs	Method	GENSCAN
Start	173	End	2118
GI	none	Score	.49
Exons	173..242, 872..1127, 1488..2118		

Seq. No.	48428	Seq. ID	OJ991202_10.0421.C12
Gene No.	103114	Strand	+
Start	9310	End	10552
Name	OJ991202_10.0421.C12.o2.np	Method	AAT/NAP
Start	9310	End	10552
GI	5922636	Score	487
Exons	9310..9388, 9872..10106, 10400..10552		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48428	Seq. ID	OJ991202_10.0421.C12
Gene No.	103115	Strand	-
Start	1	End	1120
Name	OJ991202_10.0421.C12.o1.np	Method	AAT/NAP
Start	1	End	1120
GI	5734635	Score	256
Exons	1..563, 718..996, 1051..1120		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	48428	Seq. ID	OJ991202_10.0421.C12
Gene No.	103116	Strand	-
Start	2563	End	5445

Name	OJ991202_10.0421.C12.o1.gp	Method	AAT/GAP
Start	2563	End	5445
GI	none	Score	1211
Exons	2563..2789, 3030..3184, 3274..3344, 3721..3771, 4587..4780, 5414..5445		

Seq. No.	48428	Seq. ID	OJ991202_10.0421.C12
Gene No.	103116	Strand	-
Start	2563	End	5445
Name	OJ991202_10.0421.C12.o1.tm	Method	TBLASTX:Maize
Start	3096	End	4781
GI	none	Score	67
Exons	3096..3185, 3098..3187, 3107..3187, 3299..3346, 3713..3769, 4585..4779, 4586..4780, 4590..4781, 4590..4781		

Seq. No.	48428	Seq. ID	OJ991202_10.0421.C12
Gene No.	103116	Strand	-
Start	2563	End	5445
Name	OJ991202_10.0421.C12.o2.gs	Method	GENSCAN
Start	3107	End	4216
GI	none	Score	.74
Exons	3107..3189, 3721..3771, 4192..4216		

Seq. No.	48429	Seq. ID	OJ991202_10.0421.C13
Gene No.	103117	Strand	+
Start	61	End	600
Name	OJ991202_10.0421.C13.o1.gs	Method	GENSCAN
Start	61	End	600
GI	none	Score	.85
Exons	61..600		

Seq. No.	48430	Seq. ID	OJ991202_10.0421.C14
Gene No.	103118	Strand	+
Start	185	End	765
Name	OJ991202_10.0421.C14.o1.gs	Method	GENSCAN
Start	185	End	765
GI	none	Score	.41
Exons	185..269, 647..765		

Seq. No.	48430	Seq. ID	OJ991202_10.0421.C14
Gene No.	103119	Strand	+
Start	1775	End	2271
Name	OJ991202_10.0421.C14.o1.gp	Method	AAT/GAP
Start	1775	End	2271
GI	38782_1.R1084	Score	806
Exons	1775..2271		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	48430	Seq. ID	OJ991202_10.0421.C14
Gene No.	103120	Strand	+
Start	2270	End	6275
Name	OJ991202_10.0421.C14.o2.gs	Method	GENSCAN
Start	2270	End	6275
GI	none	Score	.54
Exons	2270..2332, 2450..2615, 3193..3341, 3576..3651, 4369..4434, 4618..4653, 5566..5687, 6123..6275		

Seq. No.	48430	Seq. ID	OJ991202_10.0421.C14
Gene No.	103120	Strand	+
Start	2270	End	6275
Name	OJ991202_10.0421.C14.o2.gp	Method	AAT/GAP
Start	3210	End	4647
GI	LIB3477-002-P1-K1-D5	Score	856
Exons	3210..3341, 3983..4073, 4174..4224, 4369..4534, 4618..4647		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	48430	Seq. ID	OJ991202_10.0421.C14
Gene No.	103120	Strand	+
Start	2270	End	6275
Name	OJ991202_10.0421.C14.o2.np	Method	AAT/NAP
Start	3981	End	4073
GI	7484780	Score	62
Exons	3981..4073		
GI Descrip.	26S proteasome regulatory particle chain RPN7 homolog F6I7.30 - Arabidopsis thaliana gi|4678261|emb|CAB41122.1| (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] gi|7269333|emb|CAB79392.1| (AL161562) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	48430	Seq. ID	OJ991202_10.0421.C14
Gene No.	103121	Strand	-
Start	4	End	1428
Name	OJ991202_10.0421.C14.o1.np	Method	AAT/NAP
Start	4	End	1428
GI	6907088	Score	988
Exons	4..382, 879..1116, 1291..1428		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48430	Seq. ID	OJ991202_10.0421.C14
Gene No.	103122	Strand	
Start	4211	End	4741
Name	OJ991202_10.0421.C14.o1.ts	Method	TBLASTX:Soybean
Start	4211	End	4741
GI	none	Score	36
Exons	4211..4234, 4305..4535, 4346..4534, 4616..4741, 4625..4741		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103123	Strand	+
Start	2	End	10876
Name	OJ991202_10.0421.C16.o1.gs	Method	GENSCAN
Start	2	End	10612
GI	none	Score	.65
Exons	2..170, 624..742, 2096..2162, 2671..2776, 2869..2977, 3469..3588, 3691..3724, 3975..4051, 4144..4196, 4351..4402, 4774..5274, 6561..6823, 9252..9342, 9427..9572, 9666..9885, 9951..10059, 10155..10323, 10438..10612		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103123	Strand	+
Start	2	End	10876
Name	OJ991202_10.0421.C16.o1.np	Method	AAT/NAP
Start	1858	End	4956

GI	7488279	Score	278
Exons	1858..1974, 2096..2162, 2671..2776, 2869..2928, 3375..3593, 3696..3778, 3836..3868, 3975..4051, 4144..4196, 4351..4424, 4767..4956		
GI Descrip.	protein phosphatase 2C homolog F11C18.60 - Arabidopsis thaliana gi|4584525|emb|CAB40756.1| (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana] gi|7270089|emb|CAB79904.1| (AL161579) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103123	Strand	+
Start	2	End	10876
Name	OJ991202_10.0421.C16.o2.np	Method	AAT/NAP
Start	6014	End	7727
GI	7442627	Score	103
Exons	6014..6161, 7691..7727		
GI Descrip.	ABC-type heme transporter chain homolog - rice mitochondrion gi|499014|emb|CAA56116.1| (X79609) putative heme ABC transporter membrane domain [Triticum aestivum] gi|1395188|dbj|BAA10942.1| (D64067) ABC-type heme transporter subunit [Oryza sativa]		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103123	Strand	+
Start	2	End	10876
Name	OJ991202_10.0421.C16.o2.gp	Method	AAT/GAP
Start	6499	End	6823
GI	82047_1.R1084	Score	550
Exons	6499..6823		
GI Descrip.	'4678261/emb|CAB41122.1| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103123	Strand	+
Start	2	End	10876
Name	OJ991202_10.0421.C16.o3.np	Method	AAT/NAP
Start	6570	End	10609
GI	7484780	Score	1425
Exons	6570..6823, 9252..9342, 9427..9572, 9666..9885, 9951..10065, 10102..10323, 10438..10609		
GI Descrip.	26S proteasome regulatory particle chain RPN7 homolog F6I7.30 - Arabidopsis thaliana gi|4678261|emb|CAB41122.1| (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] gi|7269333|emb|CAB79392.1| (AL161562) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103123	Strand	+
Start	2	End	10876
Name	OJ991202_10.0421.C16.o3.gp	Method	AAT/GAP
Start	9918	End	10876
GI	78815_1.R1084	Score	1248
Exons	9918..10059, 10155..10323, 10438..10876		
GI Descrip.	'2982297 1.0e-43 (AF051233) KIAA0107-like protein [Picea mariana]'		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16

Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o1.tm	Method	TBLASTX:Maize
Start	6513	End	10620
GI	none	Score	333
Exons	6513..6848, 6605..6730, 6705..6833, 9250..9342, 9253..9348, 9254..9343, 9255..9374, 9424..9570, 9426..9572, 9479..9574, 9664..9891, 9666..9887, 9923..10045, 9948..10058, 9948..10058, 9950..10060, 10154..10324, 10155..10331, 10156..10341, 10156..10341, 10436..10612, 10438..10620, 10438..10608		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o3.tc	Method	TBLASTX:Cress
Start	6576	End	9582
GI	none	Score	251
Exons	6576..6848, 9250..9342, 9253..9351, 9255..9374, 9417..9572, 9424..9573, 9448..9582		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o1.ts	Method	TBLASTX:Soybean
Start	6579	End	10633
GI	none	Score	213
Exons	6579..6848, 9250..9342, 9253..9342, 9255..9377, 9417..9572, 9424..9570, 9479..9580, 9579..9887, 9662..9817, 9664..9891, 9667..9888, 9948..10058, 9950..10057, 10144..10317, 10153..10320, 10154..10321, 10154..10327, 10438..10596, 10438..10608, 10439..10633, 10451..10615		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o1.tw	Method	TBLASTX:Wheat
Start	9519	End	9810
GI	none	Score	66
Exons	9519..9566, 9523..9570, 9524..9580, 9662..9808, 9662..9808, 9663..9809, 9667..9810		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o1.tc	Method	TBLASTX:Cress
Start	9657	End	10612
GI	none	Score	51
Exons	9657..9698, 9667..9693, 9702..9887, 9702..9887, 9703..9891, 9948..10058, 9950..10057, 10002..10061, 10153..10323, 10154..10324, 10154..10333, 10436..10612, 10438..10611		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o4.gp	Method	AAT/GAP
Start	11064	End	11749
GI	37294_1.R1084	Score	1027

Exons	11064..11392, 11536..11749		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o2.gs	Method	GENSCAN
Start	11344	End	12998
GI	none	Score	.96
Exons	11344..11459, 11536..11749, 12246..12332, 12445..12582, 12699..12998		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o4.np	Method	AAT/NAP
Start	11606	End	15547
GI	6728875	Score	431
Exons	11606..11749, 12101..12148, 12246..12332, 12445..12582, 12699..12879, 15440..15547		
GI Descrip.	(AC008113) F12A21.14 [Arabidopsis thaliana]		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o2.tc	Method	TBLASTX:Cress
Start	12098	End	12785
GI	none	Score	66
Exons	12098..12148, 12192..12332, 12246..12335, 12443..12583, 12445..12600, 12696..12785, 12700..12765		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o2.ts	Method	TBLASTX:Soybean
Start	12098	End	12788
GI	none	Score	160
Exons	12098..12148, 12246..12335, 12443..12601, 12445..12600, 12696..12788, 12700..12765		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o2.tm	Method	TBLASTX:Maize
Start	12255	End	12801
GI	none	Score	87
Exons	12255..12353, 12255..12335, 12257..12340, 12443..12583, 12445..12582, 12526..12585, 12696..12764, 12696..12779, 12700..12777, 12739..12801		

Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o3.gs	Method	GENSCAN
Start	14138	End	15431
GI	none	Score	.52

Exons	14138..15185, 15319..15431		
Seq. No.	48431	Seq. ID	OJ991202_10.0421.C16
Gene No.	103124	Strand	-
Start	11344	End	15547
Name	OJ991202_10.0421.C16.o5.np	Method	AAT/NAP
Start	14366	End	15547
GI	2130121	Score	103
Exons	14366..15090, 15522..15547		
GI Descrip.	cyclin II - maize gi|516550 (U10077) cyclin IIZm [Zea mays]		
Seq. No.	48432	Seq. ID	OJ991202_10.0421.C17
Gene No.	103125	Strand	+
Start	2162	End	2513
Name	OJ991202_10.0421.C17.o1.gs	Method	GENSCAN
Start	2162	End	2513
GI	none	Score	.49
Exons	2162..2291, 2431..2513		
Seq. No.	48432	Seq. ID	OJ991202_10.0421.C17
Gene No.	103126	Strand	-
Start	1	End	526
Name	OJ991202_10.0421.C17.o1.np	Method	AAT/NAP
Start	1	End	379
GI	7106512	Score	81
Exons	1..244, 318..379		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	48432	Seq. ID	OJ991202_10.0421.C17
Gene No.	103126	Strand	-
Start	1	End	526
Name	OJ991202_10.0421.C17.o1.gp	Method	AAT/GAP
Start	275	End	526
GI	3761181	Score	404
Exons	275..526		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	48432	Seq. ID	OJ991202_10.0421.C17
Gene No.	103127	Strand	-
Start	2649	End	4171
Name	OJ991202_10.0421.C17.o2.gs	Method	GENSCAN
Start	2649	End	3933
GI	none	Score	.9
Exons	2649..3110, 3127..3933		
Seq. No.	48432	Seq. ID	OJ991202_10.0421.C17
Gene No.	103127	Strand	-
Start	2649	End	4171
Name	OJ991202_10.0421.C17.o2.np	Method	AAT/NAP
Start	2703	End	4171
GI	7106512	Score	1845
Exons	2703..3080, 3135..4171		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48433	Seq. ID	OJ991202_10.0421.C18
Gene No.	103128	Strand	-
Start	1	End	2183
Name	OJ991202_10.0421.C18.o1.np	Method	AAT/NAP
Start	1	End	2036
GI	7106512	Score	954
Exons	1..297, 486..1458, 1616..1901, 1975..2036		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48433	Seq. ID	OJ991202_10.0421.C18
Gene No.	103128	Strand	-
Start	1	End	2183
Name	OJ991202_10.0421.C18.o1.gp	Method	AAT/GAP
Start	1932	End	2183
GI	3761181	Score	430
Exons	1932..2183		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	48433	Seq. ID	OJ991202_10.0421.C18
Gene No.	103129	Strand	-
Start	3917	End	4120
Name	OJ991202_10.0421.C18.o2.gs	Method	GENSCAN
Start	3917	End	4120
GI	none	Score	.93
Exons	3917..4120		

Seq. No.	48434	Seq. ID	OJ991202_10.0421.C19
Gene No.	103130	Strand	+
Start	1	End	2379
Name	OJ991202_10.0421.C19.o1.np	Method	AAT/NAP
Start	1	End	2379
GI	3021508	Score	651
Exons	1..28, 185..233, 303..489, 957..1113, 1189..1257, 1434..1491, 1880..1916, 2233..2379		
GI Descrip.	(AJ001769) glucose-6-phosphate dehydrogenase [Nicotiana tabacum]		

Seq. No.	48434	Seq. ID	OJ991202_10.0421.C19
Gene No.	103130	Strand	+
Start	1	End	2379
Name	OJ991202_10.0421.C19.o1.gs	Method	GENSCAN
Start	185	End	1727
GI	none	Score	.68
Exons	185..233, 303..408, 995..1113, 1434..1491, 1711..1727		

Seq. No.	48434	Seq. ID	OJ991202_10.0421.C19
Gene No.	103131	Strand	-
Start	2157	End	2275
Name	OJ991202_10.0421.C19.o2.gs	Method	GENSCAN
Start	2157	End	2275
GI	none	Score	.87
Exons	2157..2275		

Seq. No.	48434	Seq. ID	OJ991202_10.0421.C19
Gene No.	103132	Strand	-
Start	2198	End	2316

Name	OJ991202_10.0421.C19.o2.tm	Method	TBLASTX:Maize
Start	2	End	2316
GI	none	Score	57
Exons	2..31, 2..37, 956..1006, 958..1011, 958..1002, 990..1115, 991..1116, 1191..1256, 1192..1263, 1415..1495, 1454..1498, 1857..1916, 1881..1919, 2226..2306, 2227..2316, 2229..2315		

Seq. No.	48434	Seq. ID	OJ991202_10.0421.C19
Gene No.	103132	Strand	-
Start	2198	End	2316
Name	OJ991202_10.0421.C19.o1.tm	Method	TBLASTX:Maize
Start	179	End	497
GI	none	Score	88
Exons	179..235, 180..242, 183..245, 288..497, 290..487		

Seq. No.	48434	Seq. ID	OJ991202_10.0421.C19
Gene No.	103132	Strand	-
Start	2198	End	2316
Name	OJ991202_10.0421.C19.o2.tw	Method	TBLASTX:Wheat
Start	179	End	491
GI	none	Score	82
Exons	179..232, 180..242, 287..385, 288..392, 338..487, 382..489, 387..488, 399..491		

Seq. No.	48434	Seq. ID	OJ991202_10.0421.C19
Gene No.	103132	Strand	-
Start	2198	End	2316
Name	OJ991202_10.0421.C19.o1.ts	Method	TBLASTX:Soybean
Start	288	End	2312
GI	none	Score	219
Exons	288..485, 290..484, 967..1005, 968..1006, 991..1116, 991..1113, 1191..1256, 1192..1263, 1415..1495, 1454..1498, 1881..1919, 2226..2306, 2227..2307, 2227..2310, 2228..2311, 2229..2312		

Seq. No.	48434	Seq. ID	OJ991202_10.0421.C19
Gene No.	103132	Strand	-
Start	2198	End	2316
Name	OJ991202_10.0421.C19.o1.tc	Method	TBLASTX:Cress
Start	943	End	1262
GI	none	Score	73
Exons	943..1002, 944..1006, 991..1119, 991..1116, 1002..1124, 1004..1126, 1165..1260, 1191..1262		

Seq. No.	48434	Seq. ID	OJ991202_10.0421.C19
Gene No.	103132	Strand	-
Start	2198	End	2316
Name	OJ991202_10.0421.C19.o1.tw	Method	TBLASTX:Wheat
Start	977	End	2316
GI	none	Score	92
Exons	977..1108, 985..1005, 991..1116, 994..1113, 1071..1115, 1188..1232, 1191..1256, 1192..1263, 1415..1495, 1454..1498, 1839..1916, 1880..1918, 1881..1919, 2223..2315, 2227..2316		

Seq. No.	48434	Seq. ID	OJ991202_10.0421.C19
Gene No.	103132	Strand	-
Start	2198	End	2316
Name	OJ991202_10.0421.C19.o1.gp	Method	AAT/GAP

Start	2198	End	2311
GI	LIB3434-013-P1-K1-C10	Score	125
Exons	2198..2311		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48435	Seq. ID	OJ991202_10.0421.C21
Gene No.	103133	Strand	-
Start	1	End	945
Name	OJ991202_10.0421.C21.o1.np	Method	AAT/NAP
Start	1	End	945
GI	6006864	Score	84
Exons	1..136, 912..945		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48436	Seq. ID	OJ991202_01.0419.C2
Gene No.	103134	Strand	+
Start	1	End	1573
Name	OJ991202_01.0419.C2.o1.np	Method	AAT/NAP
Start	1	End	1573
GI	6466937	Score	1172
Exons	1..1573		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	48436	Seq. ID	OJ991202_01.0419.C2
Gene No.	103134	Strand	+
Start	1	End	1573
Name	OJ991202_01.0419.C2.o3.tm	Method	TBLASTX:Maize
Start	2	End	196
GI	none	Score	203
Exons	2..196, 2..196		

Seq. No.	48436	Seq. ID	OJ991202_01.0419.C2
Gene No.	103134	Strand	+
Start	1	End	1573
Name	OJ991202_01.0419.C2.o1.gs	Method	GENSCAN
Start	20	End	1457
GI	none	Score	.72
Exons	20..1015, 1052..1457		

Seq. No.	48436	Seq. ID	OJ991202_01.0419.C2
Gene No.	103134	Strand	+
Start	1	End	1573
Name	OJ991202_01.0419.C2.o1.tw	Method	TBLASTX:Wheat
Start	440	End	922
GI	none	Score	366
Exons	440..922, 544..918		

Seq. No.	48436	Seq. ID	OJ991202_01.0419.C2
Gene No.	103134	Strand	+
Start	1	End	1573
Name	OJ991202_01.0419.C2.o3.ts	Method	TBLASTX:Soybean
Start	476	End	790
GI	none	Score	208
Exons	476..790		

Seq. No.	48436	Seq. ID	OJ991202_01.0419.C2
Gene No.	103134	Strand	+
Start	1	End	1573
Name	OJ991202_01.0419.C2.o2.tm	Method	TBLASTX:Maize
Start	503	End	976
GI	none	Score	582
Exons	503..976, 544..966		

Seq. No.	48436	Seq. ID	OJ991202_01.0419.C2
Gene No.	103134	Strand	+
Start	1	End	1573
Name	OJ991202_01.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	899	End	1258
GI	none	Score	282
Exons	899..1258, 1067..1240		

Seq. No.	48436	Seq. ID	OJ991202_01.0419.C2
Gene No.	103134	Strand	+
Start	1	End	1573
Name	OJ991202_01.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	1009	End	1522
GI	none	Score	589
Exons	1009..1137, 1025..1522, 1028..1378, 1204..1521		

Seq. No.	48436	Seq. ID	OJ991202_01.0419.C2
Gene No.	103134	Strand	+
Start	1	End	1573
Name	OJ991202_01.0419.C2.o2.tw	Method	TBLASTX:Wheat
Start	1025	End	1372
GI	none	Score	302
Exons	1025..1372		

Seq. No.	48436	Seq. ID	OJ991202_01.0419.C2
Gene No.	103134	Strand	+
Start	1	End	1573
Name	OJ991202_01.0419.C2.o2.ts	Method	TBLASTX:Soybean
Start	1282	End	1525
GI	none	Score	222
Exons	1282..1431, 1283..1525, 1286..1480		

Seq. No.	48437	Seq. ID	OJ991202_01.0419.C5
Gene No.	103135	Strand	+
Start	1	End	1078
Name	OJ991202_01.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	1078
GI	7340909	Score	79
Exons	1..131, 1056..1078		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	48437	Seq. ID	OJ991202_01.0419.C5
Gene No.	103135	Strand	+
Start	1	End	1078
Name	OJ991202_01.0419.C5.o1.gs	Method	GENSCAN
Start	150	End	503
GI	none	Score	.9
Exons	150..503		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103136	Strand	+
Start	5175	End	7138
Name	OJ991202_01.0419.C11.o1.gs	Method	GENSCAN
Start	5175	End	7138
GI	none	Score	.54
Exons	5175..5295, 6621..7138		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103137	Strand	+
Start	9802	End	13606
Name	OJ991202_01.0419.C11.o2.np	Method	AAT/NAP
Start	9802	End	13606
GI	6721547	Score	99
Exons	9802..9909, 13511..13606		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103137	Strand	+
Start	9802	End	13606
Name	OJ991202_01.0419.C11.o3.gs	Method	GENSCAN
Start	10690	End	11046
GI	none	Score	.6
Exons	10690..11046		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103138	Strand	-
Start	7659	End	8398
Name	OJ991202_01.0419.C11.o2.gs	Method	GENSCAN
Start	7659	End	8398
GI	none	Score	.75
Exons	7659..7907, 8174..8248, 8396..8398		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103139	Strand	-
Start	11394	End	15112
Name	OJ991202_01.0419.C11.o1.gp	Method	AAT/GAP
Start	11260	End	11807
GI	3760665	Score	872
Exons	11260..11807		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103139	Strand	-
Start	11394	End	15112
Name	OJ991202_01.0419.C11.o1.tw	Method	TBLASTX:Wheat
Start	11365	End	11715
GI	none	Score	253
Exons	11365..11559, 11383..11706, 11394..11714, 11394..11714, 11617..11715		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103139	Strand	-
Start	11394	End	15112
Name	OJ991202_01.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	11391	End	12480
GI	none	Score	257
Exons	11391..11768, 11403..11843, 11617..11778, 11865..12266,		

11866..12267, 12170..12307, 12264..12359, 12265..12348,
12360..12479, 12367..12480

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103139	Strand	-
Start	11394	End	15112
Name	OJ991202_01.0419.C11.o2.tm	Method	TBLASTX:Maize
Start	11391	End	11780
GI	none	Score	178
Exons	11391..11768, 11392..11547, 11403..11780, 11617..11778		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103139	Strand	-
Start	11394	End	15112
Name	OJ991202_01.0419.C11.o4.gs	Method	GENSCAN
Start	11394	End	15112
GI	none	Score	.56
Exons	11394..12341, 12432..12636, 13578..13752, 14894..15040, 15049..15112		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103139	Strand	-
Start	11394	End	15112
Name	OJ991202_01.0419.C11.o3.np	Method	AAT/NAP
Start	11397	End	12602
GI	6850850	Score	1181
Exons	11397..12602		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103139	Strand	-
Start	11394	End	15112
Name	OJ991202_01.0419.C11.o3.tm	Method	TBLASTX:Maize
Start	11781	End	12030
GI	none	Score	191
Exons	11781..12029, 11781..12029, 11785..12030		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103139	Strand	-
Start	11394	End	15112
Name	OJ991202_01.0419.C11.o2.gp	Method	AAT/GAP
Start	11963	End	12302
GI	286318	Score	658
Exons	11963..12302		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103139	Strand	-
Start	11394	End	15112
Name	OJ991202_01.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	12058	End	12479
GI	none	Score	92
Exons	12058..12147, 12060..12137, 12189..12479, 12190..12477		

Seq. No.	48438	Seq. ID	OJ991202_01.0419.C11
Gene No.	103139	Strand	-
Start	11394	End	15112
Name	OJ991202_01.0419.C11.o3.gp	Method	AAT/GAP

Start	12480	End	13752
GI	LIB3433-025-P1-K1-H10	Score	822
Exons	12480..12636, 13472..13752		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103140	Strand	+
Start	697	End	740
Name	OJ991202_01.0419.C12.o1.gs	Method	GENSCAN
Start	697	End	740
GI	none	Score	.85
Exons	697..740		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103141	Strand	+
Start	9920	End	16075
Name	OJ991202_01.0419.C12.o1.np	Method	AAT/NAP
Start	9920	End	16075
GI	7228457	Score	9192
Exons	9920..10286, 10351..12286, 12350..13184, 13307..14458, 14525..16075		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103142	Strand	+
Start	21106	End	22237
Name	OJ991202_01.0419.C12.o5.np	Method	AAT/NAP
Start	21061	End	21627
GI	5042454	Score	201
Exons	21061..21196, 21530..21627		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103142	Strand	+
Start	21106	End	22237
Name	OJ991202_01.0419.C12.o6.gs	Method	GENSCAN
Start	21106	End	22237
GI	none	Score	.85
Exons	21106..21196, 21426..21604, 22220..22237		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103143	Strand	+
Start	27111	End	27241
Name	OJ991202_01.0419.C12.o6.np	Method	AAT/NAP
Start	27111	End	27241
GI	6721543	Score	97
Exons	27111..27241		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103144	Strand	-
Start	2988	End	4275
Name	OJ991202_01.0419.C12.o2.gs	Method	GENSCAN
Start	2988	End	4275

GI	none	Score	.57
Exons	2988..3094, 3297..3432, 3738..3836, 3992..4058, 4259..4275		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103145	Strand	-
Start	7188	End	8216
Name	OJ991202_01.0419.C12.o3.gs	Method	GENSCAN
Start	7188	End	8216
GI	none	Score	.75
Exons	7188..8216		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103146	Strand	-
Start	16708	End	19945
Name	OJ991202_01.0419.C12.o5.gs	Method	GENSCAN
Start	16708	End	19945
GI	none	Score	.94
Exons	16708..18589, 18684..19945		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103146	Strand	-
Start	16708	End	19945
Name	OJ991202_01.0419.C12.o2.np	Method	AAT/NAP
Start	16711	End	19945
GI	6907089	Score	4125
Exons	16711..18589, 18684..19945		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103147	Strand	-
Start	20608	End	21637
Name	OJ991202_01.0419.C12.o3.np	Method	AAT/NAP
Start	20608	End	21008
GI	7523512	Score	102
Exons	20608..20754, 20882..21008		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103147	Strand	-
Start	20608	End	21637
Name	OJ991202_01.0419.C12.o4.np	Method	AAT/NAP
Start	20788	End	21637
GI	5922623	Score	318
Exons	20788..20863, 21032..21179, 21557..21637		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o7.tm	Method	TBLASTX:Maize
Start	7884	End	8051
GI	none	Score	87
Exons	7884..7964, 7885..7965, 7956..8051, 7956..8048		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12

Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o7.tw	Method	TBLASTX:Wheat
Start	10577	End	10969
GI	none	Score	58
Exons	10577..10624, 10631..10729, 10648..10728, 10696..10935, 10712..10969		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o6.tm	Method	TBLASTX:Maize
Start	10582	End	10867
GI	none	Score	193
Exons	10582..10866, 10619..10867		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o3.tw	Method	TBLASTX:Wheat
Start	11707	End	12193
GI	none	Score	413
Exons	11707..11880, 11708..12193, 11902..12189		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o1.tw	Method	TBLASTX:Wheat
Start	12357	End	12820
GI	none	Score	93
Exons	12357..12533, 12358..12819, 12359..12820		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o3.ts	Method	TBLASTX:Soybean
Start	12398	End	12763
GI	none	Score	117
Exons	12398..12622, 12629..12763		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o1.tm	Method	TBLASTX:Maize
Start	12488	End	12844
GI	none	Score	392
Exons	12488..12844, 12523..12834, 12575..12844		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o3.tm	Method	TBLASTX:Maize
Start	12871	End	13255
GI	none	Score	360
Exons	12871..13236, 12872..13255		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12

Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o2.tw	Method	TBLASTX:Wheat
Start	12929	End	13353
GI	none	Score	488
Exons	12929..13348, 12934..13353		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o1.ts	Method	TBLASTX:Soybean
Start	13007	End	13378
GI	none	Score	271
Exons	13007..13378, 13024..13167		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o6.tw	Method	TBLASTX:Wheat
Start	13979	End	14437
GI	none	Score	234
Exons	13979..14227, 14003..14227, 14068..14241, 14288..14437, 14297..14434, 14299..14436		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o2.ts	Method	TBLASTX:Soybean
Start	14126	End	14692
GI	5666795	Score	68
Exons	14126..14224, 14300..14437, 14492..14692		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o9.tw	Method	TBLASTX:Wheat
Start	14440	End	14752
GI	none	Score	196
Exons	14440..14616, 14453..14641, 14492..14752		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o2.tm	Method	TBLASTX:Maize
Start	14945	End	15268
GI	none	Score	362
Exons	14945..15268, 14974..15255		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o5.tw	Method	TBLASTX:Wheat
Start	15082	End	15463
GI	none	Score	375
Exons	15082..15138, 15083..15463, 15184..15432		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o8.tw	Method	TBLASTX:Wheat
Start	15464	End	16066
GI	none	Score	265
Exons	15464..15748, 15469..15747, 15940..16062, 15941..16066		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o5.tm	Method	TBLASTX:Maize
Start	15935	End	16105
GI	none	Score	197
Exons	15935..16105, 15940..16104		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o7.gs	Method	GENSCAN
Start	22832	End	32531
GI	none	Score	.52
Exons	22832..23279, 23290..23362, 26344..26516, 26641..26684, 26967..27204, 27787..27913, 28064..28266, 28271..28318, 28382..28513, 28604..28641, 28707..28889, 28982..29240, 29317..29615, 29709..30119, 30204..30540, 30646..30796, 31172..31467, 31669..32531		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o2.gp	Method	AAT/GAP
Start	27475	End	27928
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	27475..27928		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o7.np	Method	AAT/NAP
Start	28599	End	32555
GI	7228438	Score	3526
Exons	28599..28669, 28707..28889, 28982..29240, 29317..29615, 29709..30119, 30204..30302, 31752..32555		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o3.gp	Method	AAT/GAP
Start	28990	End	29489
GI	LIB3475-007-P1-K1-G8	Score	801
Exons	28990..29240, 29317..29489		

GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		
Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o4.tw	Method	TBLASTX:Wheat
Start	32112	End	32492
GI	none	Score	81
Exons	32112..32288, 32142..32288, 32173..32292, 32286..32483, 32298..32492		
Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o4.tm	Method	TBLASTX:Maize
Start	32190	End	32555
GI	none	Score	113
Exons	32190..32261, 32325..32555, 32386..32547		
Seq. No.	48439	Seq. ID	OJ991202_01.0419.C12
Gene No.	103148	Strand	-
Start	22832	End	32555
Name	OJ991202_01.0419.C12.o4.gp	Method	AAT/GAP
Start	32312	End	32555
GI	5701669	Score	477
Exons	32312..32555		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	48440	Seq. ID	OJ991202_01.0419.C15
Gene No.	103149	Strand	+
Start	554	End	986
Name	OJ991202_01.0419.C15.o1.np	Method	AAT/NAP
Start	554	End	986
GI	4150908	Score	177
Exons	554..986		
GI Descrip.	(Y18166) calmodulin [Suberites domuncula]		
Seq. No.	48441	Seq. ID	OJ991202_01.0419.C16
Gene No.	103150	Strand	+
Start	1	End	1186
Name	OJ991202_01.0419.C16.o1.np	Method	AAT/NAP
Start	1	End	1186
GI	7076798	Score	279
Exons	1..1186		
GI Descrip.	(AL132975) probable serine/threonine-specific protein kinase [Arabidopsis thaliana]		
Seq. No.	48441	Seq. ID	OJ991202_01.0419.C16
Gene No.	103150	Strand	+
Start	1	End	1186
Name	OJ991202_01.0419.C16.o1.gs	Method	GENSCAN
Start	76	End	1142
GI	none	Score	.92

Exons	76..1142		
Seq. No.	48441	Seq. ID	OJ991202_01.0419.C16
Gene No.	103150	Strand	+
Start	1	End	1186
Name	OJ991202_01.0419.C16.o2.tm	Method	TBLASTX:Maize
Start	208	End	477
GI	none	Score	65
Exons	208..249, 222..371, 259..477		
Seq. No.	48441	Seq. ID	OJ991202_01.0419.C16
Gene No.	103150	Strand	+
Start	1	End	1186
Name	OJ991202_01.0419.C16.o1.tc	Method	TBLASTX:Cress
Start	457	End	1110
GI	none	Score	61
Exons	457..582, 766..951, 940..1110		
Seq. No.	48441	Seq. ID	OJ991202_01.0419.C16
Gene No.	103150	Strand	+
Start	1	End	1186
Name	OJ991202_01.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	802	End	1143
GI	none	Score	112
Exons	802..915, 819..914, 949..1068, 957..1046, 991..1056, 1045..1143, 1051..1143		
Seq. No.	48441	Seq. ID	OJ991202_01.0419.C16
Gene No.	103150	Strand	+
Start	1	End	1186
Name	OJ991202_01.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	829	End	1107
GI	none	Score	105
Exons	829..957, 951..1070, 952..1107		
Seq. No.	48442	Seq. ID	OJ991202_01.0419.C23
Gene No.	103151	Strand	+
Start	53	End	183
Name	OJ991202_01.0419.C23.o1.gs	Method	GENSCAN
Start	53	End	183
GI	none	Score	.54
Exons	53..183		
Seq. No.	48443	Seq. ID	OJ991202_01.0419.C25
Gene No.	103152	Strand	+
Start	400	End	574
Name	OJ991202_01.0419.C25.o1.np	Method	AAT/NAP
Start	400	End	574
GI	6063554	Score	98
Exons	400..574		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	48443	Seq. ID	OJ991202_01.0419.C25
Gene No.	103153	Strand	+
Start	4175	End	4869

Name	OJ991202_01.0419.C25.o4.np	Method	AAT/NAP
Start	4175	End	4869
GI	6721516	Score	349
Exons	4175..4415, 4830..4869		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	48443	Seq. ID	OJ991202_01.0419.C25
Gene No.	103154	Strand	-
Start	242	End	4505
Name	OJ991202_01.0419.C25.o1.gs	Method	GENSCAN
Start	242	End	4505
GI	none	Score	.61
Exons	242..390, 631..755, 1847..1862, 2121..2988, 3424..3954, 4439..4505		

Seq. No.	48443	Seq. ID	OJ991202_01.0419.C25
Gene No.	103154	Strand	-
Start	242	End	4505
Name	OJ991202_01.0419.C25.o2.tw	Method	TBLASTX:Wheat
Start	1245	End	1454
GI	none	Score	70
Exons	1245..1454, 1248..1451		

Seq. No.	48443	Seq. ID	OJ991202_01.0419.C25
Gene No.	103154	Strand	-
Start	242	End	4505
Name	OJ991202_01.0419.C25.o1.tm	Method	TBLASTX:Maize
Start	1248	End	1614
GI	none	Score	127
Exons	1248..1490, 1272..1478, 1273..1494, 1289..1495, 1483..1614, 1485..1613		

Seq. No.	48443	Seq. ID	OJ991202_01.0419.C25
Gene No.	103154	Strand	-
Start	242	End	4505
Name	OJ991202_01.0419.C25.o2.np	Method	AAT/NAP
Start	1248	End	1865
GI	7489803	Score	561
Exons	1248..1865		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	48443	Seq. ID	OJ991202_01.0419.C25
Gene No.	103154	Strand	-
Start	242	End	4505
Name	OJ991202_01.0419.C25.o1.tw	Method	TBLASTX:Wheat
Start	1524	End	1832
GI	none	Score	106
Exons	1524..1832, 1606..1827		

Seq. No.	48443	Seq. ID	OJ991202_01.0419.C25
Gene No.	103154	Strand	-
Start	242	End	4505
Name	OJ991202_01.0419.C25.o2.tm	Method	TBLASTX:Maize
Start	1617	End	1977
GI	none	Score	81

Exons	1617..1856, 1624..1752, 1780..1848, 1885..1968, 1885..1977		
Seq. No.	48443	Seq. ID	OJ991202_01.0419.C25
Gene No.	103154	Strand	-
Start	242	End	4505
Name	OJ991202_01.0419.C25.o1.ts	Method	TBLASTX:Soybean
Start	1695	End	3882
GI	none	Score	74
Exons	1695..1745, 1770..1829, 2581..2709, 3382..3696, 3760..3882		
Seq. No.	48443	Seq. ID	OJ991202_01.0419.C25
Gene No.	103154	Strand	-
Start	242	End	4505
Name	OJ991202_01.0419.C25.o3.tw	Method	TBLASTX:Wheat
Start	3460	End	3843
GI	none	Score	84
Exons	3460..3702, 3715..3843		
Seq. No.	48444	Seq. ID	OJ991202_01.0419.C26
Gene No.	103155	Strand	+
Start	25	End	684
Name	OJ991202_01.0419.C26.o1.gs	Method	GENSCAN
Start	25	End	684
GI	none	Score	.65
Exons	25..78, 583..684		
Seq. No.	48445	Seq. ID	OJ991202_01.0419.C28
Gene No.	103156	Strand	-
Start	1	End	1140
Name	OJ991202_01.0419.C28.o1.np	Method	AAT/NAP
Start	1	End	1140
GI	7106512	Score	1123
Exons	1..34, 400..1140		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	48445	Seq. ID	OJ991202_01.0419.C28
Gene No.	103156	Strand	-
Start	1	End	1140
Name	OJ991202_01.0419.C28.o1.gs	Method	GENSCAN
Start	355	End	1034
GI	none	Score	.5
Exons	355..483, 615..929, 974..1034		
Seq. No.	48446	Seq. ID	OJ991202_01.0419.C31
Gene No.	103157	Strand	-
Start	1	End	619
Name	OJ991202_01.0419.C31.o1.np	Method	AAT/NAP
Start	1	End	619
GI	7228442	Score	1006
Exons	1..619		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		
Seq. No.	48446	Seq. ID	OJ991202_01.0419.C31
Gene No.	103157	Strand	-

Start	1	End	619
Name	OJ991202_01.0419.C31.o1.gs	Method	GENSCAN
Start	64	End	619
GI	none	Score	.77
Exons	64..619		

Seq. No.	48447	Seq. ID	OJ991202_01.0419.C32
Gene No.	103158	Strand	+
Start	404	End	6405
Name	OJ991202_01.0419.C32.o1.gs	Method	GENSCAN
Start	404	End	6405
GI	none	Score	.43
Exons	404..472, 499..725, 757..889, 928..1074, 2897..2974, 4381..4581, 5254..5355, 5606..5765, 6338..6405		

Seq. No.	48447	Seq. ID	OJ991202_01.0419.C32
Gene No.	103159	Strand	-
Start	7183	End	7690
Name	OJ991202_01.0419.C32.o2.gs	Method	GENSCAN
Start	7183	End	7690
GI	none	Score	.63
Exons	7183..7319, 7597..7690		

Seq. No.	48447	Seq. ID	OJ991202_01.0419.C32
Gene No.	103160	Strand	-
Start	8761	End	9105
Name	OJ991202_01.0419.C32.o3.gs	Method	GENSCAN
Start	8761	End	9105
GI	none	Score	.53
Exons	8761..9105		

Seq. No.	48448	Seq. ID	OJ991202_01.0419.C33
Gene No.	103161	Strand	+
Start	1909	End	2030
Name	OJ991202_01.0419.C33.o1.gs	Method	GENSCAN
Start	1909	End	2030
GI	none	Score	.61
Exons	1909..2030		

Seq. No.	48448	Seq. ID	OJ991202_01.0419.C33
Gene No.	103162	Strand	+
Start	18552	End	18665
Name	OJ991202_01.0419.C33.o4.gp	Method	AAT/GAP
Start	18552	End	18665
GI	1005_1.R1084	Score	199
Exons	18552..18665		
GI Descrip.	'1147632 0.0e+00 (U42208) OSBZ8 [Oryza sativa]'		

Seq. No.	48448	Seq. ID	OJ991202_01.0419.C33
Gene No.	103163	Strand	-
Start	2716	End	3138
Name	OJ991202_01.0419.C33.o1.gp	Method	AAT/GAP
Start	2716	End	3138
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	2716..2798, 3112..3138		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza		

sativa]'

Seq. No.	48448	Seq. ID	OJ991202_01.0419.C33
Gene No.	103164	Strand	-
Start	7295	End	18893
Name	OJ991202_01.0419.C33.o2.gp	Method	AAT/GAP
Start	7295	End	9344
GI	1209_2.R1084	Score	1621
Exons	7295..7776, 7990..8089, 8695..8891, 9245..9344		
GI Descrip.	'5565981/gb|AAD45282.1| 2.0e-25 (AF152600) unknown [Zea mays]'		

Seq. No.	48448	Seq. ID	OJ991202_01.0419.C33
Gene No.	103164	Strand	-
Start	7295	End	18893
Name	OJ991202_01.0419.C33.o1.tw	Method	TBLASTX:Wheat
Start	7532	End	8925
GI	none	Score	36
Exons	7532..7561, 7560..7610, 7561..7611, 7561..7611, 7568..7624, 7626..7658, 7626..7643, 7987..8085, 7991..8086, 7997..8086, 7999..8091, 8696..8893, 8696..8896, 8706..8903, 8712..8894, 8722..8925		

Seq. No.	48448	Seq. ID	OJ991202_01.0419.C33
Gene No.	103164	Strand	-
Start	7295	End	18893
Name	OJ991202_01.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	7552	End	11952
GI	none	Score	96
Exons	7552..7653, 7561..7653, 7562..7660, 7739..7777, 7753..7779, 7987..8088, 7989..8090, 7991..8089, 7998..8090, 7999..8091, 8692..8895, 8697..8894, 8697..8903, 9245..9400, 9245..9400, 9258..9404, 10039..10149, 10039..10149, 10047..10172, 10097..10168, 11845..11952, 11892..11951		

Seq. No.	48448	Seq. ID	OJ991202_01.0419.C33
Gene No.	103164	Strand	-
Start	7295	End	18893
Name	OJ991202_01.0419.C33.o3.gs	Method	GENSCAN
Start	7741	End	18893
GI	none	Score	.45
Exons	7741..7776, 7990..8089, 8695..8891, 9245..9401, 10047..10147, 11215..11244, 11407..11462, 11847..12010, 12192..12359, 13576..13664, 15229..15399, 15495..15604, 15678..15812, 15908..15974, 16427..16544, 17232..17318, 18577..18893		

Seq. No.	48448	Seq. ID	OJ991202_01.0419.C33
Gene No.	103164	Strand	-
Start	7295	End	18893
Name	OJ991202_01.0419.C33.o1.np	Method	AAT/NAP
Start	7966	End	11948
GI	4099148	Score	857
Exons	7966..8089, 8695..8891, 9245..9401, 10047..10147, 11847..11948		
GI Descrip.	(U84268) YLP [Hordeum vulgare]		

Seq. No.	48448	Seq. ID	OJ991202_01.0419.C33
Gene No.	103164	Strand	-
Start	7295	End	18893

Name	OJ991202_01.0419.C33.o1.tc	Method	TBLASTX:Cress
Start	7987	End	11951
GI	none	Score	131
Exons	7987..8088, 7991..8089, 7999..8100, 8000..8089, 8028..8099, 8706..8894, 8706..8903, 9233..9400, 9245..9400, 10039..10149, 10047..10172, 10097..10168, 11845..11949, 11892..11951		

Seq. No.	48448	Seq. ID	OJ991202_01.0419.C33
Gene No.	103164	Strand	-
Start	7295	End	18893
Name	OJ991202_01.0419.C33.o1.ts	Method	TBLASTX:Soybean
Start	7987	End	11951
GI	none	Score	141
Exons	7987..8097, 7991..8089, 8008..8091, 8692..8889, 8697..8903, 8710..8889, 8739..8894, 9233..9298, 9246..9281, 9281..9400, 9281..9400, 9294..9404, 9307..9402, 10039..10149, 10047..10172, 10097..10168, 11845..11949, 11892..11951		

Seq. No.	48448	Seq. ID	OJ991202_01.0419.C33
Gene No.	103164	Strand	-
Start	7295	End	18893
Name	OJ991202_01.0419.C33.o3.gp	Method	AAT/GAP
Start	10026	End	12119
GI	2309934	Score	677
Exons	10026..10147, 11847..12119		
GI Descrip.	5565981/gb|AAD45282.1| 2.0e-25 (AF152600) unknown [Zea mays]		

Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103165	Strand	+
Start	432	End	12016
Name	OJ991202_01.0419.C34.o1.gp	Method	AAT/GAP
Start	432	End	3949
GI	1005_1.R1084	Score	2640
Exons	432..507, 750..794, 890..982, 1062..1145, 1645..1772, 1885..1930, 2021..2069, 2285..2442, 2964..3041, 3165..3290, 3392..3949		
GI Descrip.	'1147632 0.0e+00 (U42208) OSBZ8 [Oryza sativa]'		

Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103165	Strand	+
Start	432	End	12016
Name	OJ991202_01.0419.C34.o1.gs	Method	GENSCAN
Start	448	End	12013
GI	none	Score	.65
Exons	448..507, 1062..1145, 1645..1772, 1885..1930, 2021..2069, 2285..2442, 3165..3290, 3392..3603, 3848..4008, 4411..4469, 7800..7982, 8719..8889, 9024..9098, 9902..10065, 11207..11309, 11579..11678, 11811..12013		

Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103165	Strand	+
Start	432	End	12016
Name	OJ991202_01.0419.C34.o1.np	Method	AAT/NAP
Start	448	End	3604
GI	7489539	Score	1549
Exons	448..507, 750..794, 890..982, 1062..1145, 1645..1772, 1885..1930, 2021..2069, 2285..2442, 2964..3041, 3165..3290,		

	3392..3604		
GI Descrip.	probable G-box binding factor 8 - rice gi|1147632|gb|AAB40291.1| (U42208) OSBZ8 [Oryza sativa]		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103165	Strand	+
Start	432	End	12016
Name	OJ991202_01.0419.C34.o2.gp	Method	AAT/GAP
Start	8618	End	10842
GI	66537_1.R1084	Score	1178
Exons	8618..8890, 9024..9098, 9701..9757, 9902..10065, 10754..10842		
GI Descrip.	'2501555/sp|Q40784|AAPC_PENCL 3.0e-41 POSSIBLE APOSPORY-ASSOCIATED PROTEIN C >gi_549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]'		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103165	Strand	+
Start	432	End	12016
Name	OJ991202_01.0419.C34.o2.np	Method	AAT/NAP
Start	8788	End	12016
GI	6850852	Score	1056
Exons	8788..8889, 9024..9098, 9701..9757, 9902..10065, 10754..10888, 11207..11309, 11579..11678, 11811..12016		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o7.tm	Method	TBLASTX:Maize
Start	739	End	1740
GI	none	Score	59
Exons	739..795, 744..794, 883..957, 887..958, 887..958, 1059..1148, 1059..1148, 1581..1727, 1582..1740, 1642..1740		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o1.tc	Method	TBLASTX:Cress
Start	751	End	3290
GI	none	Score	44
Exons	751..795, 887..964, 911..982, 1074..1118, 2961..3041, 3162..3290		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o3.ts	Method	TBLASTX:Soybean
Start	893	End	3314
GI	none	Score	86
Exons	893..979, 1080..1133, 2961..3041, 3014..3055, 3161..3295, 3162..3314		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o5.tm	Method	TBLASTX:Maize
Start	2961	End	3299
GI	none	Score	116

Exons	2961..3041, 2962..3042, 3160..3297, 3161..3295, 3162..3299		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o8.tm	Method	TBLASTX:Maize
Start	8772	End	9085
GI	none	Score	154
Exons	8772..8891, 8776..8886, 8779..8937, 9014..9076, 9018..9065, 9023..9085, 9024..9077		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o4.ts	Method	TBLASTX:Soybean
Start	9023	End	10811
GI	none	Score	106
Exons	9023..9103, 9024..9098, 9694..9756, 9698..9757, 9899..10072, 9900..10040, 10751..10810, 10752..10811		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o3.tm	Method	TBLASTX:Maize
Start	9898	End	10901
GI	none	Score	270
Exons	9898..9945, 9899..10072, 9899..10084, 10754..10888, 10755..10886, 10755..10901, 10756..10887, 10757..10894		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o2.tm	Method	TBLASTX:Maize
Start	11216	End	12165
GI	none	Score	113
Exons	11216..11323, 11217..11327, 11217..11324, 11573..11707, 11576..11677, 11578..11709, 11803..12009, 11811..11996, 11812..12003, 11819..12004, 12079..12102, 12130..12165		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o2.tc	Method	TBLASTX:Cress
Start	11576	End	11998
GI	none	Score	107
Exons	11576..11674, 11812..11985, 11819..11998		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o2.ts	Method	TBLASTX:Soybean
Start	11576	End	11995
GI	none	Score	147
Exons	11576..11677, 11576..11680, 11803..11994, 11819..11995		
Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-

Start	12372	End	13768
Name	OJ991202_01.0419.C34.o2.gs	Method	GENSCAN
Start	12372	End	13765
GI	none	Score	.97
Exons	12372..12992, 13535..13765		

Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o3.np	Method	AAT/NAP
Start	12390	End	13765
GI	6665552	Score	665
Exons	12390..12937, 13531..13765		
GI Descrip.	(AC013289) putative sterol desaturase [Arabidopsis thaliana]		

Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o1.tm	Method	TBLASTX:Maize
Start	12399	End	12855
GI	none	Score	38
Exons	12399..12425, 12403..12426, 12438..12854, 12439..12633, 12718..12855		

Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o1.ts	Method	TBLASTX:Soybean
Start	12435	End	13660
GI	none	Score	137
Exons	12435..12896, 12466..12633, 12718..12789, 12817..12876, 13550..13660		

Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103166	Strand	-
Start	12372	End	13768
Name	OJ991202_01.0419.C34.o4.tm	Method	TBLASTX:Maize
Start	13532	End	13768
GI	none	Score	90
Exons	13532..13681, 13533..13598, 13630..13662, 13679..13768, 13679..13765		

Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103167	Strand	
Start	16673	End	17522
Name	OJ991202_01.0419.C34.o5.ts	Method	TBLASTX:Soybean
Start	16673	End	17269
GI	4405739	Score	187
Exons	16673..16798, 16680..16805, 17051..17125, 17240..17269		
GI Descrip.	-		

Seq. No.	48449	Seq. ID	OJ991202_01.0419.C34
Gene No.	103167	Strand	
Start	16673	End	17522
Name	OJ991202_01.0419.C34.o6.tm	Method	TBLASTX:Maize
Start	16703	End	17522
GI	none	Score	167

Exons	16703..16819, 16704..16805, 16704..16820, 16706..16819, 17071..17124, 17072..17125, 17236..17331, 17240..17335, 17448..17468, 17448..17468, 17474..17521, 17475..17522, 17475..17522		
Seq. No.	48450	Seq. ID	OJ991202_01.0419.C35
Gene No.	103168	Strand	-
Start	8	End	627
Name	OJ991202_01.0419.C35.o1.gs	Method	GENSCAN
Start	8	End	627
GI	none	Score	.59
Exons	8..363, 429..627		
Seq. No.	48451	Seq. ID	OJ991202_01.0419.C36
Gene No.	103169	Strand	+
Start	1582	End	2235
Name	OJ991202_01.0419.C36.o1.gs	Method	GENSCAN
Start	1582	End	2235
GI	none	Score	.84
Exons	1582..1713, 1796..2235		
Seq. No.	48451	Seq. ID	OJ991202_01.0419.C36
Gene No.	103170	Strand	-
Start	1	End	585
Name	OJ991202_01.0419.C36.o1.gp	Method	AAT/GAP
Start	1	End	229
GI	LIB3475-004-P1-K2-A5	Score	367
Exons	1..229		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		
Seq. No.	48451	Seq. ID	OJ991202_01.0419.C36
Gene No.	103170	Strand	-
Start	1	End	585
Name	OJ991202_01.0419.C36.o1.np	Method	AAT/NAP
Start	1	End	585
GI	4539658	Score	228
Exons	1..107, 252..413, 455..585		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	48452	Seq. ID	OJ991202_01.0419.C42
Gene No.	103171	Strand	+
Start	479	End	1028
Name	OJ991202_01.0419.C42.o1.gs	Method	GENSCAN
Start	479	End	1028
GI	none	Score	.41
Exons	479..568, 936..1028		
Seq. No.	48452	Seq. ID	OJ991202_01.0419.C42
Gene No.	103172	Strand	-
Start	1	End	191
Name	OJ991202_01.0419.C42.o1.np	Method	AAT/NAP
Start	1	End	191
GI	6721512	Score	43
Exons	1..191		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	48453	Seq. ID	OJ991202_01.0419.C43
Gene No.	103173	Strand	+
Start	1685	End	2198
Name	OJ991202_01.0419.C43.o1.gp	Method	AAT/GAP
Start	1685	End	2180
GI	none	Score	935
Exons	1685..2180		

Seq. No.	48453	Seq. ID	OJ991202_01.0419.C43
Gene No.	103173	Strand	+
Start	1685	End	2198
Name	OJ991202_01.0419.C43.o1.tm	Method	TBLASTX:Maize
Start	1959	End	2198
GI	none	Score	201
Exons	1959..2168, 1959..2099, 1960..2169, 1961..2170, 1976..2170, 1990..2184, 2151..2198		

Seq. No.	48454	Seq. ID	OJ991202_01.0419.C44
Gene No.	103174	Strand	+
Start	346	End	1229
Name	OJ991202_01.0419.C44.o1.gs	Method	GENSCAN
Start	346	End	1229
GI	none	Score	.74
Exons	346..364, 1135..1229		

Seq. No.	48455	Seq. ID	OJ991202_01.0419.C45
Gene No.	103175	Strand	-
Start	1	End	358
Name	OJ991202_01.0419.C45.o1.np	Method	AAT/NAP
Start	1	End	358
GI	6721516	Score	216
Exons	1..358		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	48455	Seq. ID	OJ991202_01.0419.C45
Gene No.	103176	Strand	-
Start	864	End	984
Name	OJ991202_01.0419.C45.o1.gs	Method	GENSCAN
Start	864	End	984
GI	none	Score	.83
Exons	864..984		

Seq. No.	48456	Seq. ID	OJ991202_01.0419.C47
Gene No.	103177	Strand	+
Start	33	End	2415
Name	OJ991202_01.0419.C47.o1.gs	Method	GENSCAN
Start	33	End	2415
GI	none	Score	.64
Exons	33..90, 129..269, 437..495, 1103..1255, 1344..1378, 1758..1813, 2156..2200, 2246..2415		

Seq. No.	48456	Seq. ID	OJ991202_01.0419.C47
Gene No.	103178	Strand	-
Start	1095	End	3838
Name	OJ991202_01.0419.C47.o2.np	Method	AAT/NAP
Start	1095	End	3838

GI	5852181	Score	63
Exons	1095..1254, 3777..3838		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	48457	Seq. ID	OJ991202_01.0419.C49
Gene No.	103179	Strand	+
Start	1	End	388
Name	OJ991202_01.0419.C49.o1.np	Method	AAT/NAP
Start	1	End	388
GI	6598522	Score	324
Exons	1..388		
GI Descrip.	(AC006194) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	48457	Seq. ID	OJ991202_01.0419.C49
Gene No.	103179	Strand	+
Start	1	End	388
Name	OJ991202_01.0419.C49.o1.gs	Method	GENSCAN
Start	79	End	372
GI	none	Score	1
Exons	79..372		

Seq. No.	48457	Seq. ID	OJ991202_01.0419.C49
Gene No.	103180	Strand	+
Start	3986	End	4179
Name	OJ991202_01.0419.C49.o2.gs	Method	GENSCAN
Start	3986	End	4179
GI	none	Score	.54
Exons	3986..4024, 4102..4179		

Seq. No.	48457	Seq. ID	OJ991202_01.0419.C49
Gene No.	103181	Strand	-
Start	638	End	3674
Name	OJ991202_01.0419.C49.o1.ts	Method	TBLASTX:Soybean
Start	60	End	363
GI	none	Score	325
Exons	60..281, 64..363		

Seq. No.	48457	Seq. ID	OJ991202_01.0419.C49
Gene No.	103181	Strand	-
Start	638	End	3674
Name	OJ991202_01.0419.C49.o1.tw	Method	TBLASTX:Wheat
Start	64	End	363
GI	none	Score	332
Exons	64..363, 111..272, 148..363		

Seq. No.	48457	Seq. ID	OJ991202_01.0419.C49
Gene No.	103181	Strand	-
Start	638	End	3674
Name	OJ991202_01.0419.C49.o1.gp	Method	AAT/GAP
Start	638	End	3674
GI	2315_5.R1084	Score	420
Exons	638..891, 2341..2397, 3635..3674		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48458	Seq. ID	OJ991202_01.0419.C50

Gene No.	103182	Strand	+
Start	317	End	813
Name	OJ991202_01.0419.C50.o1.gs	Method	GENSCAN
Start	317	End	813
GI	none	Score	.42
Exons	317..408, 723..813		

Seq. No.	48459	Seq. ID	OJ991202_01.0419.C52
Gene No.	103183	Strand	+
Start	325	End	406
Name	OJ991202_01.0419.C52.o1.gs	Method	GENSCAN
Start	325	End	406
GI	none	Score	.97
Exons	325..406		

Seq. No.	48459	Seq. ID	OJ991202_01.0419.C52
Gene No.	103184	Strand	-
Start	138	End	946
Name	OJ991202_01.0419.C52.o1.np	Method	AAT/NAP
Start	138	End	946
GI	6063554	Score	138
Exons	138..312, 890..946		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48459	Seq. ID	OJ991202_01.0419.C52
Gene No.	103184	Strand	-
Start	138	End	946
Name	OJ991202_01.0419.C52.o1.gp	Method	AAT/GAP
Start	378	End	757
GI	2427387	Score	505
Exons	378..757		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	48460	Seq. ID	OJ991202_01.0419.C53
Gene No.	103185	Strand	+
Start	657	End	1191
Name	OJ991202_01.0419.C53.o1.gs	Method	GENSCAN
Start	657	End	1191
GI	none	Score	.8
Exons	657..846, 967..1191		

Seq. No.	48460	Seq. ID	OJ991202_01.0419.C53
Gene No.	103186	Strand	-
Start	1945	End	2917
Name	OJ991202_01.0419.C53.o2.gs	Method	GENSCAN
Start	1945	End	2785
GI	none	Score	.57
Exons	1945..2163, 2300..2785		

Seq. No.	48460	Seq. ID	OJ991202_01.0419.C53
Gene No.	103186	Strand	-
Start	1945	End	2917
Name	OJ991202_01.0419.C53.o1.np	Method	AAT/NAP
Start	1948	End	2917

GI	6983860	Score	1545
Exons	1948..2917		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	48460	Seq. ID	OJ991202_01.0419.C53
Gene No.	103186	Strand	-
Start	1945	End	2917
Name	OJ991202_01.0419.C53.o2.tw	Method	TBLASTX:Wheat
Start	1993	End	2330
GI	none	Score	51
Exons	1993..2163, 2231..2329, 2259..2330		

Seq. No.	48460	Seq. ID	OJ991202_01.0419.C53
Gene No.	103186	Strand	-
Start	1945	End	2917
Name	OJ991202_01.0419.C53.o1.tm	Method	TBLASTX:Maize
Start	2229	End	2777
GI	none	Score	57
Exons	2229..2339, 2231..2617, 2457..2603, 2615..2776, 2624..2770, 2631..2777		

Seq. No.	48460	Seq. ID	OJ991202_01.0419.C53
Gene No.	103186	Strand	-
Start	1945	End	2917
Name	OJ991202_01.0419.C53.o1.tw	Method	TBLASTX:Wheat
Start	2330	End	2911
GI	none	Score	239
Exons	2330..2911, 2451..2900		

Seq. No.	48460	Seq. ID	OJ991202_01.0419.C53
Gene No.	103186	Strand	-
Start	1945	End	2917
Name	OJ991202_01.0419.C53.o2.tm	Method	TBLASTX:Maize
Start	2777	End	2917
GI	none	Score	97
Exons	2777..2917, 2780..2887, 2790..2900		

Seq. No.	48461	Seq. ID	OJ991202_01.0419.C55
Gene No.	103187	Strand	-
Start	1	End	1137
Name	OJ991202_01.0419.C55.o1.np	Method	AAT/NAP
Start	1	End	624
GI	6996258	Score	273
Exons	1..624		
GI Descrip.	(AL138657) putative protein [Arabidopsis thaliana]		

Seq. No.	48461	Seq. ID	OJ991202_01.0419.C55
Gene No.	103187	Strand	-
Start	1	End	1137
Name	OJ991202_01.0419.C55.o2.tm	Method	TBLASTX:Maize
Start	2	End	205
GI	none	Score	94
Exons	2..202, 2..205		

Seq. No.	48461	Seq. ID	OJ991202_01.0419.C55
Gene No.	103187	Strand	-

Start	1	End	1137
Name	OJ991202_01.0419.C55.o2.tw	Method	TBLASTX:Wheat
Start	2	End	175
GI	none	Score	79
Exons	2..175, 3..143, 8..160		

Seq. No.	48461	Seq. ID	OJ991202_01.0419.C55
Gene No.	103187	Strand	-
Start	1	End	1137
Name	OJ991202_01.0419.C55.o1.gs	Method	GENSCAN
Start	242	End	1135
GI	none	Score	.57
Exons	242..273, 327..560, 678..890, 987..1135		

Seq. No.	48461	Seq. ID	OJ991202_01.0419.C55
Gene No.	103187	Strand	-
Start	1	End	1137
Name	OJ991202_01.0419.C55.o1.tm	Method	TBLASTX:Maize
Start	367	End	1137
GI	none	Score	46
Exons	367..444, 421..600, 604..819, 904..1080, 1099..1137		

Seq. No.	48461	Seq. ID	OJ991202_01.0419.C55
Gene No.	103187	Strand	-
Start	1	End	1137
Name	OJ991202_01.0419.C55.o1.tw	Method	TBLASTX:Wheat
Start	505	End	843
GI	none	Score	116
Exons	505..819, 506..793, 667..843		

Seq. No.	48462	Seq. ID	OJ991202_01.0419.C56
Gene No.	103188	Strand	-
Start	902	End	1162
Name	OJ991202_01.0419.C56.o1.gs	Method	GENSCAN
Start	902	End	1162
GI	none	Score	.57
Exons	902..1162		

Seq. No.	48463	Seq. ID	OJ991202_01.0419.C62
Gene No.	103189	Strand	-
Start	1	End	1052
Name	OJ991202_01.0419.C62.o1.np	Method	AAT/NAP
Start	1	End	1052
GI	4680179	Score	1389
Exons	1..1052		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48463	Seq. ID	OJ991202_01.0419.C62
Gene No.	103189	Strand	-
Start	1	End	1052
Name	OJ991202_01.0419.C62.o3.tw	Method	TBLASTX:Wheat
Start	24	End	209
GI	none	Score	49
Exons	24..209, 25..75		

Seq. No.	48463	Seq. ID	OJ991202_01.0419.C62
Gene No.	103189	Strand	-

Start	1	End	1052
Name	OJ991202_01.0419.C62.o1.gs	Method	GENSCAN
Start	44	End	759
GI	none	Score	.66
Exons	44..233, 442..759		

Seq. No.	48463	Seq. ID	OJ991202_01.0419.C62
Gene No.	103189	Strand	-
Start	1	End	1052
Name	OJ991202_01.0419.C62.o1.tw	Method	TBLASTX:Wheat
Start	210	End	711
GI	none	Score	51
Exons	210..254, 285..365, 292..366, 373..711	368..709, 371..634, 372..662,	

Seq. No.	48463	Seq. ID	OJ991202_01.0419.C62
Gene No.	103189	Strand	-
Start	1	End	1052
Name	OJ991202_01.0419.C62.o1.tm	Method	TBLASTX:Maize
Start	391	End	831
GI	none	Score	235
Exons	391..432, 424..831, 455..778		

Seq. No.	48463	Seq. ID	OJ991202_01.0419.C62
Gene No.	103189	Strand	-
Start	1	End	1052
Name	OJ991202_01.0419.C62.o2.ts	Method	TBLASTX:Soybean
Start	457	End	705
GI	none	Score	207
Exons	457..705		

Seq. No.	48463	Seq. ID	OJ991202_01.0419.C62
Gene No.	103189	Strand	-
Start	1	End	1052
Name	OJ991202_01.0419.C62.o2.tw	Method	TBLASTX:Wheat
Start	712	End	975
GI	none	Score	242
Exons	712..975, 713..973		

Seq. No.	48463	Seq. ID	OJ991202_01.0419.C62
Gene No.	103189	Strand	-
Start	1	End	1052
Name	OJ991202_01.0419.C62.o1.ts	Method	TBLASTX:Soybean
Start	727	End	978
GI	none	Score	181
Exons	727..978, 737..970		

Seq. No.	48464	Seq. ID	OJ991202_01.0419.C63
Gene No.	103190	Strand	-
Start	266	End	1060
Name	OJ991202_01.0419.C63.o1.np	Method	AAT/NAP
Start	264	End	1060
GI	4512231	Score	1263
Exons	264..1060		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	48464	Seq. ID	OJ991202_01.0419.C63

Gene No.	103190	Strand	-
Start	266	End	1060
Name	OJ991202_01.0419.C63.o1.gs	Method	GENSCAN
Start	266	End	1060
GI	none	Score	.97
Exons	266..1060		

Seq. No.	48465	Seq. ID	OJ991202_01.0419.C69
Gene No.	103191	Strand	-
Start	54	End	151
Name	OJ991202_01.0419.C69.o1.gs	Method	GENSCAN
Start	54	End	151
GI	none	Score	.82
Exons	54..151		

Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103192	Strand	+
Start	875	End	1370
Name	OJ991112_09.0419.C3.o1.gs	Method	GENSCAN
Start	875	End	1370
GI	none	Score	.77
Exons	875..1370		

Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103193	Strand	+
Start	15935	End	17657
Name	OJ991112_09.0419.C3.o3.np	Method	AAT/NAP
Start	15935	End	17657
GI	5922619	Score	110
Exons	15935..15979, 17562..17657		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103194	Strand	-
Start	1	End	1660
Name	OJ991112_09.0419.C3.o1.np	Method	AAT/NAP
Start	1	End	1660
GI	7340909	Score	261
Exons	1..386, 1625..1660		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103195	Strand	-
Start	2188	End	4138
Name	OJ991112_09.0419.C3.o2.gs	Method	GENSCAN
Start	2188	End	4138
GI	none	Score	.74
Exons	2188..2289, 2406..2544, 2629..2764, 3596..3833, 4076..4138		

Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103196	Strand	-
Start	5108	End	15414
Name	OJ991112_09.0419.C3.o3.gs	Method	GENSCAN
Start	5108	End	15414
GI	none	Score	.54

Exons	5108..5496, 5664..5808, 6481..6595, 7080..7282, 7375..7911, 8773..9517, 11243..11268, 11648..11768, 13109..13232, 15327..15414		
Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103196	Strand	-
Start	5108	End	15414
Name	OJ991112_09.0419.C3.o1.gp	Method	AAT/GAP
Start	6741	End	9544
GI	2131_1.R1084	Score	3611
Exons	6741..7282, 7375..7911, 8773..9544		
GI Descrip.	'417745/sp|P32112|SAHH_WHEAT 0.0e+00 ADENOSYLHOMOCYSTEINASE (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE) >gi_170773 (L11872) S-adenosyl-L-homocysteine hydrolase [Triticum aestivum]'		
Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103196	Strand	-
Start	5108	End	15414
Name	OJ991112_09.0419.C3.o2.np	Method	AAT/NAP
Start	7076	End	9483
GI	417745	Score	2363
Exons	7076..7282, 7375..7911, 8773..9483		
GI Descrip.	ADENOSYLHOMOCYSTEINASE (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE) gi|170773 (L11872) S-adenosyl-L-homocysteine hydrolase [Triticum aestivum]		
Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103197	Strand	-
Start	16734	End	17299
Name	OJ991112_09.0419.C3.o4.gs	Method	GENSCAN
Start	16734	End	17299
GI	none	Score	.85
Exons	16734..16996, 17233..17299		
Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103198	Strand	-
Start	17796	End	17873
Name	OJ991112_09.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	6737	End	9484
GI	none	Score	82
Exons	6737..6856, 6751..6861, 6751..6858, 6780..6908, 6860..6904, 6864..6944, 6927..6986, 6947..6991, 7063..7224, 7067..7285, 7068..7283, 7072..7284, 7372..7926, 7373..7783, 7375..7914, 7853..7933, 8773..9483, 8774..9484		
Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103198	Strand	-
Start	17796	End	17873
Name	OJ991112_09.0419.C3.o1.tw	Method	TBLASTX:Wheat
Start	6759	End	7746
GI	none	Score	63
Exons	6759..6860, 6760..6861, 6774..6962, 6873..6905, 6949..7005, 6949..7011, 7049..7285, 7065..7283, 7372..7746, 7373..7744		
Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103198	Strand	-

Start	17796	End	17873
Name	OJ991112_09.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	7064	End	9484
GI	none	Score	255
Exons	7064..7285, 7074..7283, 7075..7284, 7103..7285, 7372..7926, 7373..7777, 7375..7914, 7853..7933, 8773..9483, 8774..9484		

Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103198	Strand	-
Start	17796	End	17873
Name	OJ991112_09.0419.C3.o1.tc	Method	TBLASTX:Cress
Start	7073	End	9484
GI	none	Score	205
Exons	7073..7285, 7077..7283, 7372..7914, 7372..7926, 7600..7701, 7853..7963, 8773..9483, 8774..9034, 9086..9484		

Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103198	Strand	-
Start	17796	End	17873
Name	OJ991112_09.0419.C3.o2.tw	Method	TBLASTX:Wheat
Start	7751	End	8968
GI	none	Score	48
Exons	7751..7780, 7753..7926, 7761..7913, 7853..7933, 8773..8967, 8774..8968		

Seq. No.	48466	Seq. ID	OJ991112_09.0419.C3
Gene No.	103198	Strand	-
Start	17796	End	17873
Name	OJ991112_09.0419.C3.o4.np	Method	AAT/NAP
Start	17796	End	17873
GI	6630699	Score	77
Exons	17796..17873		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103199	Strand	+
Start	815	End	7567
Name	OJ991112_09.0419.C4.o1.gs	Method	GENSCAN
Start	815	End	7567
GI	none	Score	.51
Exons	815..891, 3147..3277, 3487..3809, 3996..4193, 5244..5634, 5728..5829, 6097..6272, 6323..6486, 7456..7567		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103199	Strand	+
Start	815	End	7567
Name	OJ991112_09.0419.C4.o1.np	Method	AAT/NAP
Start	3516	End	6338
GI	7433539	Score	1972
Exons	3516..4193, 5244..5634, 5728..5829, 6097..6338		
GI Descrip.	glycine hydroxymethyltransferase (EC 2.1.2.1) - Arabidopsis thaliana gi|2244749|emb|CAB10172.1| (Z97335) hydroxymethyltransferase [Arabidopsis thaliana] gi|7268097|emb|CAB78435.1| (AL161537) hydroxymethyltransferase [Arabidopsis thaliana]		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103200	Strand	+
Start	17703	End	20086
Name	OJ991112_09.0419.C4.o4.gs	Method	GENSCAN
Start	17703	End	20086
GI	none	Score	.93
Exons	17703..17733, 18497..18564, 19865..20086		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103201	Strand	+
Start	26268	End	28802
Name	OJ991112_09.0419.C4.o5.np	Method	AAT/NAP
Start	26268	End	28802
GI	7378764	Score	727
Exons	26268..26624, 28632..28802		
GI Descrip.	(AJ277096) putative kinetochore protein [Hordeum vulgare]		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103202	Strand	-
Start	8292	End	13529
Name	OJ991112_09.0419.C4.o2.gs	Method	GENSCAN
Start	8292	End	12435
GI	none	Score	.53
Exons	8292..8659, 8898..9021, 9123..9257, 10144..10490, 10652..10860, 11008..11076, 12143..12435		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103202	Strand	-
Start	8292	End	13529
Name	OJ991112_09.0419.C4.o2.np	Method	AAT/NAP
Start	8396	End	8686
GI	6539588	Score	189
Exons	8396..8686		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103202	Strand	-
Start	8292	End	13529
Name	OJ991112_09.0419.C4.o3.np	Method	AAT/NAP
Start	12133	End	13529
GI	6056412	Score	134
Exons	12133..12271, 13507..13529		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103203	Strand	-
Start	14072	End	22339
Name	OJ991112_09.0419.C4.o4.np	Method	AAT/NAP
Start	14039	End	22339
GI	6041833	Score	557
Exons	14039..14420, 14470..14858, 15592..15866, 22259..22339		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana] gi|6642634|gb|AAF20215.1|AC012395_2 (AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4

Gene No.	103203	Strand	-
Start	14072	End	22339
Name	OJ991112_09.0419.C4.o3.gs	Method	GENSCAN
Start	14072	End	16739
GI	none	Score	.98
Exons	14072..14858, 15592..15866, 16635..16739		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	3516	End	6341
GI	none	Score	974
Exons	3516..4193, 3611..3811, 3804..4196, 5242..5337, 5242..5637, 5244..5636, 5476..5643, 5726..5833, 5727..5831, 6083..6283, 6083..6340, 6096..6341		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	3516	End	6341
GI	none	Score	872
Exons	3516..4193, 3611..3739, 3863..3907, 3864..4007, 3950..4081, 4050..4196, 4151..4201, 5241..5633, 5244..5636, 5366..5635, 5476..5643, 5726..5833, 5727..5831, 5734..5832, 6083..6337, 6096..6341		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o5.tc	Method	TBLASTX:Cress
Start	3516	End	3680
GI	none	Score	202
Exons	3516..3680, 3611..3676		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	3611	End	4049
GI	none	Score	424
Exons	3611..3739, 3612..4049, 3876..3998		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	3681	End	5561
GI	none	Score	665
Exons	3681..4193, 3686..3811, 3864..4196, 5239..5478, 5244..5480, 5487..5561, 5490..5561		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o2.tw	Method	TBLASTX:Wheat

Start	5382	End	5810
GI	none	Score	293
Exons	5382..5636, 5393..5491, 5567..5635, 5715..5810		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o2.tc	Method	TBLASTX:Cress
Start	5561	End	6347
GI	none	Score	121
Exons	5561..5635, 5562..5636, 5565..5645, 5566..5646, 5581..5658, 5715..5831, 5726..5821, 5726..5833, 5727..5831, 6095..6205, 6095..6337, 6096..6347		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o3.tm	Method	TBLASTX:Maize
Start	12122	End	12336
GI	none	Score	144
Exons	12122..12250, 12125..12238, 12136..12285, 12292..12336		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o6.tc	Method	TBLASTX:Cress
Start	14054	End	14560
GI	none	Score	68
Exons	14054..14203, 14210..14335, 14235..14342, 14480..14560		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o5.tm	Method	TBLASTX:Maize
Start	14163	End	14426
GI	none	Score	110
Exons	14163..14282, 14165..14317, 14283..14426, 14286..14426		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o3.ts	Method	TBLASTX:Soybean
Start	14492	End	14905
GI	none	Score	154
Exons	14492..14593, 14631..14897, 14633..14860, 14645..14905		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o4.tc	Method	TBLASTX:Cress
Start	14642	End	15866
GI	none	Score	67
Exons	14642..14869, 15561..15866, 15598..15777		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102

Name	OJ991112_09.0419.C4.o4.tm	Method	TBLASTX:Maize
Start	15685	End	15870
GI	none	Score	225
Exons	15685..15870, 15687..15869		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o2.tm	Method	TBLASTX:Maize
Start	26273	End	28947
GI	none	Score	263
Exons	26273..26479, 26274..26468, 26549..26632, 26550..26615, 28631..28804, 28632..28805, 28638..28805, 28864..28947, 28865..28924		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o2.ts	Method	TBLASTX:Soybean
Start	26273	End	28724
GI	none	Score	263
Exons	26273..26479, 26274..26468, 26549..26632, 26550..26615, 28631..28711, 28631..28723, 28632..28724, 28638..28724		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o3.tc	Method	TBLASTX:Cress
Start	26298	End	28808
GI	none	Score	197
Exons	26298..26465, 26303..26560, 26550..26615, 26555..26623, 28631..28804, 28632..28808		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o3.tw	Method	TBLASTX:Wheat
Start	28670	End	28873
GI	none	Score	185
Exons	28670..28873, 28670..28804, 28671..28805		

Seq. No.	48467	Seq. ID	OJ991112_09.0419.C4
Gene No.	103204	Strand	-
Start	31334	End	33102
Name	OJ991112_09.0419.C4.o6.gs	Method	GENSCAN
Start	31334	End	33102
GI	none	Score	.8
Exons	31334..31549, 32188..32247, 32557..32850, 32930..33102		

Seq. No.	48468	Seq. ID	OJ991112_09.0419.C5
Gene No.	103205	Strand	+
Start	1957	End	3030
Name	OJ991112_09.0419.C5.o1.gs	Method	GENSCAN
Start	1957	End	3030
GI	none	Score	.46
Exons	1957..2030, 2883..3030		

Seq. No.	48468	Seq. ID	OJ991112_09.0419.C5
Gene No.	103206	Strand	-
Start	1211	End	1293
Name	OJ991112_09.0419.C5.o1.gp	Method	AAT/GAP
Start	1211	End	1293
GI	LIB3477-003-P1-K1-E9	Score	121
Exons	1211..1293		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	48469	Seq. ID	OJ991112_09.0419.C6
Gene No.	103207	Strand	+
Start	1	End	3797
Name	OJ991112_09.0419.C6.o1.np	Method	AAT/NAP
Start	1	End	3797
GI	5852175	Score	86
Exons	1..43, 426..556, 3752..3797		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	48469	Seq. ID	OJ991112_09.0419.C6
Gene No.	103208	Strand	-
Start	1	End	779
Name	OJ991112_09.0419.C6.o2.np	Method	AAT/NAP
Start	1	End	779
GI	5852180	Score	46
Exons	1..57, 693..779		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	48469	Seq. ID	OJ991112_09.0419.C6
Gene No.	103208	Strand	-
Start	1	End	779
Name	OJ991112_09.0419.C6.o1.gs	Method	GENSCAN
Start	443	End	593
GI	none	Score	.89
Exons	443..593		

Seq. No.	48469	Seq. ID	OJ991112_09.0419.C6
Gene No.	103209	Strand	-
Start	1273	End	3545
Name	OJ991112_09.0419.C6.o2.gs	Method	GENSCAN
Start	1273	End	3452
GI	none	Score	.53
Exons	1273..1416, 2224..2557, 2695..2777, 2865..3452		

Seq. No.	48469	Seq. ID	OJ991112_09.0419.C6
Gene No.	103209	Strand	-
Start	1273	End	3545
Name	OJ991112_09.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	2404	End	2690
GI	none	Score	47
Exons	2404..2547, 2436..2495, 2471..2548, 2544..2690		

Seq. No.	48469	Seq. ID	OJ991112_09.0419.C6
Gene No.	103209	Strand	-
Start	1273	End	3545
Name	OJ991112_09.0419.C6.o3.np	Method	AAT/NAP

Start	2467	End	3545
GI	6539555	Score	924
Exons	2467..2777, 2865..3545		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103210	Strand	+
Start	2867	End	7797
Name	OJ991112_09.0419.C7.o2.gs	Method	GENSCAN
Start	2867	End	7797
GI	none	Score	.47
Exons	2867..3061, 4497..4611, 5231..5306, 5357..5541, 5897..6025, 6064..6178, 7719..7797		

Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103211	Strand	+
Start	7769	End	9723
Name	OJ991112_09.0419.C7.o3.np	Method	AAT/NAP
Start	7769	End	9723
GI	4680186	Score	171
Exons	7769..7806, 9495..9723		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103212	Strand	+
Start	10435	End	12229
Name	OJ991112_09.0419.C7.o4.gs	Method	GENSCAN
Start	10435	End	12229
GI	none	Score	.42
Exons	10435..10531, 10561..11152, 11824..12229		

Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103213	Strand	-
Start	1	End	1573
Name	OJ991112_09.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	1543
GI	421948	Score	538
Exons	1..54, 720..1543		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia		

Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103213	Strand	-
Start	1	End	1573
Name	OJ991112_09.0419.C7.o1.gs	Method	GENSCAN
Start	663	End	1573
GI	none	Score	.87
Exons	663..1310, 1394..1573		

Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103214	Strand	-
Start	4087	End	8365
Name	OJ991112_09.0419.C7.o2.np	Method	AAT/NAP
Start	4087	End	8365
GI	6691191	Score	696

Exons	4087..4342, 4386..4630, 8017..8365		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		
Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103215	Strand	-
Start	8729	End	9550
Name	OJ991112_09.0419.C7.o3.gs	Method	GENSCAN
Start	8729	End	9550
GI	none	Score	.57
Exons	8729..8757, 9439..9550		
Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103216	Strand	-
Start	9787	End	12205
Name	OJ991112_09.0419.C7.o2.ts	Method	TBLASTX:Soybean
Start	1077	End	12173
GI	none	Score	83
Exons	1077..1316, 1385..1438, 1439..1522, 1473..1523, 12095..12172, 12120..12173		
Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103216	Strand	-
Start	9787	End	12205
Name	OJ991112_09.0419.C7.o1.tw	Method	TBLASTX:Wheat
Start	4136	End	4594
GI	none	Score	74
Exons	4136..4264, 4146..4247, 4240..4341, 4274..4345, 4388..4591, 4391..4495, 4562..4594		
Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103216	Strand	-
Start	9787	End	12205
Name	OJ991112_09.0419.C7.o2.tw	Method	TBLASTX:Wheat
Start	8067	End	8487
GI	none	Score	105
Exons	8067..8360, 8088..8291, 8161..8352, 8412..8486, 8413..8487		
Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103216	Strand	-
Start	9787	End	12205
Name	OJ991112_09.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	8082	End	8412
GI	none	Score	93
Exons	8082..8327, 8082..8369, 8155..8412		
Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103216	Strand	-
Start	9787	End	12205
Name	OJ991112_09.0419.C7.o5.np	Method	AAT/NAP
Start	9787	End	12205
GI	2146800	Score	66
Exons	9787..9803, 11604..11761, 12004..12205		
GI Descrip.	anthocyanin 3 glucoside: rhamnosyltransferase - garden petunia gi|454245|emb|CAA50376| (X71059) anthocyanin 3 glucoside: rhamnosyltransferase [Petunia x hybrida] gi|454253|emb|CAA50377| (X71060) anthocyanin: rhamnosyltransferase [Petunia x hybrida]		

Seq. No.	48470	Seq. ID	OJ991112_09.0419.C7
Gene No.	103216	Strand	-
Start	9787	End	12205
Name	OJ991112_09.0419.C7.o4.np	Method	AAT/NAP
Start	10104	End	11818
GI	6907087	Score	739
Exons	10104..10205, 10746..11404, 11450..11818		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48471	Seq. ID	OJ991112_09.0419.C8
Gene No.	103217	Strand	-
Start	9111	End	9913
Name	OJ991112_09.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	3838	End	4065
GI	none	Score	111
Exons	3838..4065, 3839..3970		

Seq. No.	48471	Seq. ID	OJ991112_09.0419.C8
Gene No.	103217	Strand	-
Start	9111	End	9913
Name	OJ991112_09.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	5697	End	6194
GI	none	Score	69
Exons	5697..5795, 5699..5797, 5720..5827, 5767..5898, 5776..6165, 5850..5900, 5888..6151, 5895..6194, 5911..6165		

Seq. No.	48471	Seq. ID	OJ991112_09.0419.C8
Gene No.	103217	Strand	-
Start	9111	End	9913
Name	OJ991112_09.0419.C8.o1.np	Method	AAT/NAP
Start	9111	End	9913
GI	480314	Score	692
Exons	9111..9913		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia (fragment) gi|397567|emb|CAA81057| (Z25802) UDP rhamnose: anthocyanidin-3-glucoside rhamnosyltransferase [Petunia x hybrida]		

Seq. No.	48471	Seq. ID	OJ991112_09.0419.C8
Gene No.	103217	Strand	-
Start	9111	End	9913
Name	OJ991112_09.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	9264	End	9606
GI	none	Score	178
Exons	9264..9605, 9283..9606		

Seq. No.	48471	Seq. ID	OJ991112_09.0419.C8
Gene No.	103217	Strand	-
Start	9111	End	9913
Name	OJ991112_09.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	9300	End	9563
GI	none	Score	63
Exons	9300..9488, 9498..9563		

Seq. No.	48471	Seq. ID	OJ991112_09.0419.C8

Gene No.	103217	Strand	-
Start	9111	End	9913
Name	OJ991112_09.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	9303	End	9575
GI	none	Score	193
Exons	9303..9575		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103218	Strand	+
Start	37	End	669
Name	OJ991112_09.0419.C9.o1.gs	Method	GENSCAN
Start	37	End	669
GI	none	Score	.96
Exons	37..669		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103219	Strand	+
Start	8384	End	12891
Name	OJ991112_09.0419.C9.o4.gs	Method	GENSCAN
Start	8384	End	11149
GI	none	Score	.84
Exons	8384..8446, 9830..10008, 10284..10367, 10479..10605, 10651..10675, 10992..11149		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103219	Strand	+
Start	8384	End	12891
Name	OJ991112_09.0419.C9.o4.np	Method	AAT/NAP
Start	10416	End	12891
GI	5922620	Score	346
Exons	10416..10454, 10495..10647, 11302..11535, 12090..12207, 12716..12891		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103220	Strand	+
Start	15221	End	15628
Name	OJ991112_09.0419.C9.o7.gs	Method	GENSCAN
Start	15221	End	15628
GI	none	Score	.81
Exons	15221..15266, 15357..15628		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103221	Strand	+
Start	15825	End	16929
Name	OJ991112_09.0419.C9.o1.gp	Method	AAT/GAP
Start	15825	End	16929
GI	none	Score	1012
Exons	15825..16066, 16608..16929		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103222	Strand	-
Start	1	End	354

Name	OJ991112_09.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	354
GI	480314	Score	239
Exons	1..354		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia (fragment) gi|397567|emb|CAA81057| (Z25802) UDP rhamnose: anthocyanidin-3-glucoside rhamnosyltransferase [Petunia x hybrida]		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103223	Strand	-
Start	2215	End	4271
Name	OJ991112_09.0419.C9.o2.gs	Method	GENSCAN
Start	2215	End	4271
GI	none	Score	.58
Exons	2215..2705, 2940..2995, 3312..3586, 4179..4271		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103224	Strand	-
Start	6754	End	7054
Name	OJ991112_09.0419.C9.o3.gs	Method	GENSCAN
Start	6754	End	7054
GI	none	Score	.91
Exons	6754..6835, 6933..7054		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103225	Strand	-
Start	8166	End	10142
Name	OJ991112_09.0419.C9.o2.np	Method	AAT/NAP
Start	8166	End	10142
GI	6539570	Score	167
Exons	8166..8186, 9703..9776, 9949..10142		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103226	Strand	-
Start	10278	End	11622
Name	OJ991112_09.0419.C9.o3.np	Method	AAT/NAP
Start	10278	End	11622
GI	6630699	Score	83
Exons	10278..10355, 11577..11622		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103227	Strand	-
Start	13030	End	14537
Name	OJ991112_09.0419.C9.o5.np	Method	AAT/NAP
Start	13030	End	14374
GI	6630699	Score	104
Exons	13030..13116, 14264..14374		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9

Gene No.	103227	Strand	-
Start	13030	End	14537
Name	OJ991112_09.0419.C9.o6.gs	Method	GENSCAN
Start	14206	End	14537
GI	none	Score	.88
Exons	14206..14415, 14490..14537		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103228	Strand	-
Start	15801	End	19031
Name	OJ991112_09.0419.C9.o8.gs	Method	GENSCAN
Start	15801	End	19031
GI	none	Score	.45
Exons	15801..16101, 16695..16735, 18248..18504, 18583..18686, 18877..19031		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103229	Strand	
Start	19870	End	20577
Name	OJ991112_09.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	19870	End	20577
GI	none	Score	541
Exons	19870..20577, 19908..20126, 19936..20202, 20277..20414		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103229	Strand	
Start	19870	End	20577
Name	OJ991112_09.0419.C9.o1.tw	Method	TBLASTX:Wheat
Start	19872	End	20121
GI	none	Score	236
Exons	19872..20117, 19909..20121		

Seq. No.	48472	Seq. ID	OJ991112_09.0419.C9
Gene No.	103229	Strand	
Start	19870	End	20577
Name	OJ991112_09.0419.C9.o2.tw	Method	TBLASTX:Wheat
Start	20122	End	20502
GI	none	Score	117
Exons	20122..20268, 20124..20267, 20278..20430, 20295..20414, 20422..20502		

Seq. No.	48473	Seq. ID	OJ991112_09.0419.C10
Gene No.	103230	Strand	+
Start	327	End	461
Name	OJ991112_09.0419.C10.o1.gs	Method	GENSCAN
Start	327	End	461
GI	none	Score	.87
Exons	327..461		

Seq. No.	48473	Seq. ID	OJ991112_09.0419.C10
Gene No.	103231	Strand	+
Start	2244	End	3027
Name	OJ991112_09.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	207	End	476
GI	none	Score	152
Exons	207..386, 224..301, 231..383, 381..476		

Seq. No.	48473	Seq. ID	OJ991112_09.0419.C10
Gene No.	103231	Strand	+
Start	2244	End	3027
Name	OJ991112_09.0419.C10.o2.gs	Method	GENSCAN
Start	2244	End	3027
GI	none	Score	.9
Exons	2244..2432, 2649..3027		

Seq. No.	48473	Seq. ID	OJ991112_09.0419.C10
Gene No.	103231	Strand	+
Start	2244	End	3027
Name	OJ991112_09.0419.C10.o1.tw	Method	TBLASTX:Wheat
Start	2412	End	2765
GI	none	Score	189
Exons	2412..2765, 2468..2683, 2490..2684		

Seq. No.	48474	Seq. ID	OJ991112_09.0419.C11
Gene No.	103232	Strand	+
Start	4	End	291
Name	OJ991112_09.0419.C11.o1.gs	Method	GENSCAN
Start	4	End	291
GI	none	Score	.79
Exons	4..6, 91..291		

Seq. No.	48474	Seq. ID	OJ991112_09.0419.C11
Gene No.	103233	Strand	+
Start	4317	End	5095
Name	OJ991112_09.0419.C11.o2.gs	Method	GENSCAN
Start	4317	End	5095
GI	none	Score	.6
Exons	4317..4373, 4739..4825, 4979..5095		

Seq. No.	48474	Seq. ID	OJ991112_09.0419.C11
Gene No.	103234	Strand	+
Start	7407	End	7716
Name	OJ991112_09.0419.C11.o3.gs	Method	GENSCAN
Start	7407	End	7716
GI	none	Score	.74
Exons	7407..7454, 7684..7716		

Seq. No.	48474	Seq. ID	OJ991112_09.0419.C11
Gene No.	103235	Strand	+
Start	11179	End	16546
Name	OJ991112_09.0419.C11.o5.gs	Method	GENSCAN
Start	11179	End	16546
GI	none	Score	.48
Exons	11179..11212, 11580..11681, 12245..12534, 13234..13525, 13653..13799, 14418..14460, 14927..15028, 15483..15578, 16474..16546		

Seq. No.	48475	Seq. ID	OJ991112_09.0419.C12
Gene No.	103236	Strand	+
Start	534	End	3164
Name	OJ991112_09.0419.C12.o1.gs	Method	GENSCAN
Start	534	End	3164
GI	none	Score	.75
Exons	534..571, 1251..1379, 1638..1807, 3121..3164		

Seq. No.	48475	Seq. ID	OJ991112_09.0419.C12
Gene No.	103237	Strand	+
Start	3859	End	4120
Name	OJ991112_09.0419.C12.o1.gp	Method	AAT/GAP
Start	3859	End	4120
GI	61605_3.R1084	Score	437
Exons	3859..4120		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	48475	Seq. ID	OJ991112_09.0419.C12
Gene No.	103238	Strand	+
Start	4682	End	6006
Name	OJ991112_09.0419.C12.o2.gs	Method	GENSCAN
Start	4682	End	6006
GI	none	Score	.98
Exons	4682..4760, 5531..6006		

Seq. No.	48475	Seq. ID	OJ991112_09.0419.C12
Gene No.	103239	Strand	-
Start	1	End	7135
Name	OJ991112_09.0419.C12.o1.np	Method	AAT/NAP
Start	1	End	7135
GI	7106516	Score	166
Exons	1..247, 510..689, 1433..1487, 1620..1690, 7102..7135		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	48475	Seq. ID	OJ991112_09.0419.C12
Gene No.	103239	Strand	-
Start	1	End	7135
Name	OJ991112_09.0419.C12.o2.np	Method	AAT/NAP
Start	4487	End	6288
GI	6063554	Score	947
Exons	4487..4661, 5308..5338, 5688..5906, 6024..6288		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48475	Seq. ID	OJ991112_09.0419.C12
Gene No.	103239	Strand	-
Start	1	End	7135
Name	OJ991112_09.0419.C12.o2.gp	Method	AAT/GAP
Start	5112	End	5841
GI	101153_1.R1084	Score	486
Exons	5112..5346, 5696..5841		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48476	Seq. ID	OJ991112_09.0419.C13
Gene No.	103240	Strand	-
Start	938	End	1099
Name	OJ991112_09.0419.C13.o1.gs	Method	GENSCAN
Start	938	End	1099
GI	none	Score	.99
Exons	938..1099		

Seq. No.	48477	Seq. ID	OJ991122_05.0421.C1
Gene No.	103241	Strand	-
Start	1093	End	1380
Name	OJ991122_05.0421.C1.o1.gs	Method	GENSCAN
Start	1093	End	1380
GI	none	Score	.58
Exons	1093..1380		

Seq. No.	48478	Seq. ID	OJ991122_05.0421.C2
Gene No.	103242	Strand	+
Start	1	End	827
Name	OJ991122_05.0421.C2.o1.gp	Method	AAT/GAP
Start	1	End	296
GI	none	Score	307
Exons	1..78, 166..296		

Seq. No.	48478	Seq. ID	OJ991122_05.0421.C2
Gene No.	103242	Strand	+
Start	1	End	827
Name	OJ991122_05.0421.C2.o1.np	Method	AAT/NAP
Start	1	End	693
GI	4887012	Score	270
Exons	1..78, 166..217, 265..510, 622..693		
GI Descrip.	(AF123504) Nt-iaa2.3 deduced protein [Nicotiana tabacum]		

Seq. No.	48478	Seq. ID	OJ991122_05.0421.C2
Gene No.	103242	Strand	+
Start	1	End	827
Name	OJ991122_05.0421.C2.o1.gs	Method	GENSCAN
Start	11	End	509
GI	none	Score	.95
Exons	11..78, 166..190, 223..509		

Seq. No.	48478	Seq. ID	OJ991122_05.0421.C2
Gene No.	103242	Strand	+
Start	1	End	827
Name	OJ991122_05.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	47	End	668
GI	none	Score	45
Exons	47..79, 163..219, 164..202, 289..510, 290..508, 295..510, 627..665, 627..668, 628..666		

Seq. No.	48478	Seq. ID	OJ991122_05.0421.C2
Gene No.	103242	Strand	+
Start	1	End	827
Name	OJ991122_05.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	164	End	689
GI	none	Score	66
Exons	164..202, 175..195, 298..399, 300..338, 427..510, 628..675, 630..689		

Seq. No.	48478	Seq. ID	OJ991122_05.0421.C2
Gene No.	103242	Strand	+
Start	1	End	827
Name	OJ991122_05.0421.C2.o1.ts	Method	TBLASTX:Soybean
Start	164	End	675
GI	none	Score	56

Exons	164..202, 172..210, 295..510, 298..507, 628..675		
Seq. No.	48478	Seq. ID	OJ991122_05.0421.C2
Gene No.	103242	Strand	+
Start	1	End	827
Name	OJ991122_05.0421.C2.o2.gp	Method	AAT/GAP
Start	240	End	827
GI	69892_1.R1084	Score	873
Exons	240..509, 622..827		
GI Descrip.	'4887012/gb|AAD32142.1|AF123504_1 1.0e-25 (AF123504) Nt-iaa2.3 deduced protein [Nicotiana tabacum]'		
Seq. No.	48478	Seq. ID	OJ991122_05.0421.C2
Gene No.	103242	Strand	+
Start	1	End	827
Name	OJ991122_05.0421.C2.o1.tw	Method	TBLASTX:Wheat
Start	316	End	680
GI	none	Score	94
Exons	316..399, 404..508, 406..510, 627..680, 628..678		
Seq. No.	48479	Seq. ID	OJ991122_05.0421.C5
Gene No.	103243	Strand	+
Start	7	End	135
Name	OJ991122_05.0421.C5.o1.gs	Method	GENSCAN
Start	7	End	135
GI	none	Score	.69
Exons	7..135		
Seq. No.	48480	Seq. ID	OJ991122_05.0421.C6
Gene No.	103244	Strand	+
Start	1	End	266
Name	OJ991122_05.0421.C6.o1.gp	Method	AAT/GAP
Start	1	End	266
GI	2311472	Score	490
Exons	1..266		
Seq. No.	48480	Seq. ID	OJ991122_05.0421.C6
Gene No.	103245	Strand	+
Start	3670	End	4212
Name	OJ991122_05.0421.C6.o2.gs	Method	GENSCAN
Start	3670	End	4212
GI	none	Score	.77
Exons	3670..3676, 4040..4212		
Seq. No.	48480	Seq. ID	OJ991122_05.0421.C6
Gene No.	103246	Strand	-
Start	140	End	3013
Name	OJ991122_05.0421.C6.o1.gs	Method	GENSCAN
Start	140	End	3013
GI	none	Score	.97
Exons	140..274, 369..428, 525..602, 849..926, 1247..1323, 1713..1887, 1995..2141, 2774..3013		
Seq. No.	48480	Seq. ID	OJ991122_05.0421.C6
Gene No.	103246	Strand	-
Start	140	End	3013
Name	OJ991122_05.0421.C6.o1.np	Method	AAT/NAP

Start	143	End	2813
GI	2129755	Score	781
Exons	143..274, 369..428, 525..602, 849..926, 1247..1323, 1713..1887, 1995..2141, 2774..2813		
GI Descrip.	tryptophan synthase (EC 4.2.1.20) alpha chain - Arabidopsis thaliana gi|619753 (U18993) tryptophan synthase alpha chain [Arabidopsis thaliana] gi|1585768|prf||2201482A Trp synthase:SUBUNIT=alpha [Arabidopsis thaliana]		

Seq. No.	48480	Seq. ID	OJ991122_05.0421.C6
Gene No.	103246	Strand	-
Start	140	End	3013
Name	OJ991122_05.0421.C6.o3.gp	Method	AAT/GAP
Start	1266	End	2933
GI	uC-osflcyp065h05a1	Score	786
Exons	1266..1323, 1713..1896, 2002..2141, 2774..2933		
GI Descrip.	'3892048/gb|AAC78257.1|AAC78257 9.0e-16 (AC002330) putative tryptophan synthase alpha 1-like protein [Arabidopsis thaliana]'		

Seq. No.	48480	Seq. ID	OJ991122_05.0421.C6
Gene No.	103246	Strand	-
Start	140	End	3013
Name	OJ991122_05.0421.C6.o2.gp	Method	AAT/GAP
Start	1709	End	2143
GI	uC-osflcyp065h05a1	Score	416
Exons	1709..1896, 2002..2143		
GI Descrip.	'3892048/gb|AAC78257.1|AAC78257 9.0e-16 (AC002330) putative tryptophan synthase alpha 1-like protein [Arabidopsis thaliana]'		

Seq. No.	48480	Seq. ID	OJ991122_05.0421.C6
Gene No.	103247	Strand	-
Start	7725	End	8212
Name	OJ991122_05.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	2836
GI	none	Score	115
Exons	1..33, 97..276, 99..275, 366..428, 370..429, 522..611, 522..623, 842..925, 843..926, 859..927, 1210..1323, 1244..1330, 1245..1331, 1708..1890, 1712..1891, 1758..1892, 1994..2131, 1995..2144, 1996..2142, 2768..2836		

Seq. No.	48480	Seq. ID	OJ991122_05.0421.C6
Gene No.	103247	Strand	-
Start	7725	End	8212
Name	OJ991122_05.0421.C6.o2.ts	Method	TBLASTX:Soybean
Start	135	End	626
GI	none	Score	113
Exons	135..281, 200..277, 366..425, 367..426, 525..626, 529..579		

Seq. No.	48480	Seq. ID	OJ991122_05.0421.C6
Gene No.	103247	Strand	-
Start	7725	End	8212
Name	OJ991122_05.0421.C6.o2.tc	Method	TBLASTX:Cress
Start	849	End	1870
GI	none	Score	77
Exons	849..920, 849..896, 1244..1339, 1244..1330, 1708..1869, 1712..1870		

Seq. No.	48480	Seq. ID	OJ991122_05.0421.C6
Gene No.	103247	Strand	-
Start	7725	End	8212
Name	OJ991122_05.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	1708	End	2144
GI	none	Score	139
Exons	1708..1890, 1712..1888, 1732..1890, 1993..2133, 1994..2122, 1995..2144, 1999..2139		

Seq. No.	48480	Seq. ID	OJ991122_05.0421.C6
Gene No.	103247	Strand	-
Start	7725	End	8212
Name	OJ991122_05.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	1995	End	2144
GI	none	Score	184
Exons	1995..2144, 1996..2139		

Seq. No.	48480	Seq. ID	OJ991122_05.0421.C6
Gene No.	103247	Strand	-
Start	7725	End	8212
Name	OJ991122_05.0421.C6.o3.gs	Method	GENSCAN
Start	7725	End	8212
GI	none	Score	.77
Exons	7725..7885, 7978..8212		

Seq. No.	48481	Seq. ID	OJ991122_05.0421.C7
Gene No.	103248	Strand	+
Start	581	End	1255
Name	OJ991122_05.0421.C7.o1.np	Method	AAT/NAP
Start	581	End	1255
GI	7486850	Score	154
Exons	581..646, 1012..1077, 1187..1255		
GI Descrip.	hypothetical protein T10P11.13 - Arabidopsis thaliana gi|3892050|gb|AAC78259.1|AAC78259 (AC002330) hypothetical protein [Arabidopsis thaliana] gi|7269019|emb|CAB80752.1| (AL161494) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48481	Seq. ID	OJ991122_05.0421.C7
Gene No.	103249	Strand	+
Start	1551	End	1909
Name	OJ991122_05.0421.C7.o1.gp	Method	AAT/GAP
Start	1551	End	1909
GI	none	Score	704
Exons	1551..1909		

Seq. No.	48482	Seq. ID	OJ991122_05.0421.C9
Gene No.	103250	Strand	+
Start	232	End	3577
Name	OJ991122_05.0421.C9.o1.gs	Method	GENSCAN
Start	232	End	3577
GI	none	Score	.79
Exons	232..374, 427..592, 1387..1539, 3494..3577		

Seq. No.	48482	Seq. ID	OJ991122_05.0421.C9
Gene No.	103251	Strand	+
Start	8339	End	8902
Name	OJ991122_05.0421.C9.o3.gs	Method	GENSCAN

Start	8339	End	8902
GI	none	Score	.78
Exons	8339..8399, 8820..8902		

Seq. No.	48482	Seq. ID	OJ991122_05.0421.C9
Gene No.	103252	Strand	-
Start	4924	End	5687
Name	OJ991122_05.0421.C9.o2.gs	Method	GENSCAN
Start	4924	End	5687
GI	none	Score	.84
Exons	4924..5134, 5245..5687		

Seq. No.	48482	Seq. ID	OJ991122_05.0421.C9
Gene No.	103253	Strand	-
Start	9221	End	9754
Name	OJ991122_05.0421.C9.o4.gs	Method	GENSCAN
Start	9221	End	9754
GI	none	Score	.59
Exons	9221..9754		

Seq. No.	48483	Seq. ID	OJ991122_05.0421.C10
Gene No.	103254	Strand	+
Start	52	End	152
Name	OJ991122_05.0421.C10.o1.gs	Method	GENSCAN
Start	52	End	152
GI	none	Score	.49
Exons	52..152		

Seq. No.	48483	Seq. ID	OJ991122_05.0421.C10
Gene No.	103255	Strand	-
Start	1	End	515
Name	OJ991122_05.0421.C10.o1.gp	Method	AAT/GAP
Start	1	End	222
GI	none	Score	407
Exons	1..222		

Seq. No.	48483	Seq. ID	OJ991122_05.0421.C10
Gene No.	103255	Strand	-
Start	1	End	515
Name	OJ991122_05.0421.C10.o1.np	Method	AAT/NAP
Start	1	End	515
GI	81286	Score	148
Exons	1..113, 168..515		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	48484	Seq. ID	OJ991122_05.0421.C11
Gene No.	103256	Strand	+
Start	3017	End	4736
Name	OJ991122_05.0421.C11.o1.gs	Method	GENSCAN
Start	3017	End	4736
GI	none	Score	.62
Exons	3017..3190, 4306..4417, 4510..4736		

Seq. No.	48484	Seq. ID	OJ991122_05.0421.C11
Gene No.	103257	Strand	-
Start	4171	End	5716

Name	OJ991122_05.0421.C11.o1.np	Method	AAT/NAP
Start	4171	End	5716
GI	7363272	Score	588
Exons	4171..4299, 4359..4529, 4559..4900, 5649..5716		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	48484	Seq. ID	OJ991122_05.0421.C11
Gene No.	103258	Strand	-
Start	5636	End	6311
Name	OJ991122_05.0421.C11.o2.gs	Method	GENSCAN
Start	5636	End	6311
GI	none	Score	.76
Exons	5636..5745, 6176..6311		

Seq. No.	48485	Seq. ID	OJ991122_05.0421.C12
Gene No.	103259	Strand	-
Start	1416	End	1926
Name	OJ991122_05.0421.C12.o1.gs	Method	GENSCAN
Start	1416	End	1926
GI	none	Score	.56
Exons	1416..1626, 1805..1926		

Seq. No.	48486	Seq. ID	OJ991122_05.0421.C14
Gene No.	103260	Strand	+
Start	4484	End	5700
Name	OJ991122_05.0421.C14.o3.gs	Method	GENSCAN
Start	4484	End	5700
GI	none	Score	.81
Exons	4484..4692, 5619..5700		

Seq. No.	48486	Seq. ID	OJ991122_05.0421.C14
Gene No.	103261	Strand	-
Start	2110	End	2912
Name	OJ991122_05.0421.C14.o2.gs	Method	GENSCAN
Start	2110	End	2912
GI	none	Score	.58
Exons	2110..2681, 2696..2912		

Seq. No.	48487	Seq. ID	OJ991122_05.0421.C15
Gene No.	103262	Strand	-
Start	699	End	862
Name	OJ991122_05.0421.C15.o1.gs	Method	GENSCAN
Start	699	End	862
GI	none	Score	.89
Exons	699..862		

Seq. No.	48488	Seq. ID	OJ991122_05.0421.C16
Gene No.	103263	Strand	-
Start	229	End	389
Name	OJ991122_05.0421.C16.o1.gs	Method	GENSCAN
Start	229	End	389
GI	none	Score	.41
Exons	229..389		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335

Name	OJ991122_05.0421.C17.o1.np	Method	AAT/NAP
Start	1	End	4326
GI	7489814	Score	4596
Exons	1..191, 312..1792, 1911..2075, 2160..2355, 2446..2557, 2645..2792, 2908..3105, 3201..3479, 3575..3735, 3834..4058, 4172..4326		
GI Descrip.	probable DNA (cytosine-5-)-methyltransferase (EC 2.1.1.37) ZMET1 - maize gi|3132825|gb|AAC16389.1| (AF063403) putative cytosine-5 DNA methyltransferase [Zea mays]		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335
Name	OJ991122_05.0421.C17.o1.tc	Method	TBLASTX:Cress
Start	1	End	4300
GI	none	Score	41
Exons	1..45, 3..74, 85..162, 96..149, 156..194, 157..192, 311..712, 313..747, 327..710, 496..711, 709..801, 712..813, 919..1080, 1116..1433, 1148..1207, 1279..1410, 1280..1432, 1412..1489, 1595..1675, 1615..1671, 1666..1791, 1682..1795, 1908..2078, 1913..2077, 2151..2360, 2282..2356, 2433..2558, 2435..2554, 2639..2791, 2643..2792, 2645..2803, 2653..2796, 2900..3106, 2904..3107, 2904..3110, 2905..3108, 3198..3458, 3200..3322, 3200..3466, 3201..3467, 3568..3669, 3572..3667, 3649..3735, 3666..3791, 3667..3738, 3867..4058, 3867..4076, 3868..4074, 4168..4248, 4169..4300, 4170..4247, 4171..4284		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335
Name	OJ991122_05.0421.C17.o1.gs	Method	GENSCAN
Start	16	End	4306
GI	none	Score	.82
Exons	16..191, 312..1092, 1116..1368, 1599..1792, 1911..2075, 2160..2355, 2446..2557, 2645..2792, 2908..3105, 3201..3479, 3575..3703, 3804..3930, 3973..4058, 4172..4306		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335
Name	OJ991122_05.0421.C17.o2.tm	Method	TBLASTX:Maize
Start	464	End	941
GI	none	Score	329
Exons	464..805, 465..803, 466..816, 466..807, 516..893, 904..939, 906..941		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335
Name	OJ991122_05.0421.C17.o3.tm	Method	TBLASTX:Maize
Start	1314	End	1755
GI	none	Score	153
Exons	1314..1433, 1315..1431, 1412..1753, 1422..1754, 1486..1755		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335

Name	OJ991122_05.0421.C17.o1.gp	Method	AAT/GAP
Start	1370	End	1637
GI	uC-osf1M202053a06b1	Score	382
Exons	1370..1637		
GI Descrip.	'3132825 2.0e-24 (AF063403) putative cytosine-5 DNA methyltransferase [Zea mays]'		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335
Name	OJ991122_05.0421.C17.o4.ts	Method	TBLASTX:Soybean
Start	1604	End	1991
GI	none	Score	166
Exons	1604..1795, 1618..1671, 1715..1795, 1908..1991, 1910..1990		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335
Name	OJ991122_05.0421.C17.o4.tm	Method	TBLASTX:Maize
Start	1944	End	2574
GI	none	Score	173
Exons	1944..2078, 1945..2064, 2151..2216, 2154..2204, 2201..2365, 2202..2366, 2433..2558, 2444..2557, 2446..2574		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335
Name	OJ991122_05.0421.C17.o1.ts	Method	TBLASTX:Soybean
Start	2466	End	3286
GI	none	Score	135
Exons	2466..2558, 2468..2563, 2639..2788, 2643..2792, 2643..2792, 2905..3108, 2907..3098, 3197..3286, 3201..3281		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335
Name	OJ991122_05.0421.C17.o1.tm	Method	TBLASTX:Maize
Start	2645	End	4303
GI	none	Score	228
Exons	2645..2791, 2646..2792, 2646..2792, 2647..2796, 2743..2793, 2900..3106, 2904..3107, 2904..3107, 2905..3108, 3200..3478, 3201..3467, 3461..3661, 3569..3667, 3574..3666, 3667..3738, 3669..3785, 3831..3866, 3870..4058, 3872..4060, 3872..4054, 3876..4079, 4158..4289, 4168..4290, 4169..4303, 4169..4291		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335
Name	OJ991122_05.0421.C17.o3.ts	Method	TBLASTX:Soybean
Start	3291	End	3667
GI	none	Score	226
Exons	3291..3467, 3293..3460, 3569..3622, 3569..3637, 3599..3667		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335
Name	OJ991122_05.0421.C17.o2.ts	Method	TBLASTX:Soybean

Start	3712	End	4036
GI	none	Score	43
Exons	3712..3738, 3831..3866, 3870..4034, 3872..4036		

Seq. No.	48489	Seq. ID	OJ991122_05.0421.C17
Gene No.	103264	Strand	+
Start	1	End	4335
Name	OJ991122_05.0421.C17.o1.tw	Method	TBLASTX:Wheat
Start	3864	End	4335
GI	none	Score	365
Exons	3864..4058, 3872..4060, 3872..4054, 4169..4297, 4171..4335, 4171..4293		

Seq. No.	48490	Seq. ID	OJ991122_05.0421.C18
Gene No.	103265	Strand	+
Start	1510	End	2075
Name	OJ991122_05.0421.C18.o1.gs	Method	GENSCAN
Start	1510	End	2075
GI	none	Score	.62
Exons	1510..2075		

Seq. No.	48491	Seq. ID	OJ991122_05.0421.C19
Gene No.	103266	Strand	+
Start	1	End	7102
Name	OJ991122_05.0421.C19.o2.np	Method	AAT/NAP
Start	1	End	7102
GI	5902130	Score	103
Exons	1..48, 118..347, 5703..5924, 6746..6917, 7084..7102		
GI Descrip.	suppressor of white apricot homolog 2 gi|3941326 (AF042800) suppressor of white apricot homolog 2 [Homo sapiens] gi|3941338 (AF042810) suppressor of white-apricot homolog 2 [Homo sapiens]		

Seq. No.	48491	Seq. ID	OJ991122_05.0421.C19
Gene No.	103266	Strand	+
Start	1	End	7102
Name	OJ991122_05.0421.C19.o1.gs	Method	GENSCAN
Start	46	End	534
GI	none	Score	.98
Exons	46..534		

Seq. No.	48491	Seq. ID	OJ991122_05.0421.C19
Gene No.	103266	Strand	+
Start	1	End	7102
Name	OJ991122_05.0421.C19.o3.gs	Method	GENSCAN
Start	6633	End	7090
GI	none	Score	.59
Exons	6633..7090		

Seq. No.	48491	Seq. ID	OJ991122_05.0421.C19
Gene No.	103267	Strand	-
Start	3338	End	5984
Name	OJ991122_05.0421.C19.o2.gs	Method	GENSCAN
Start	3338	End	5984
GI	none	Score	.87
Exons	3338..3526, 3758..4568, 4622..4860, 4992..5984		

Seq. No.	48492	Seq. ID	OJ991122_05.0421.C20

Gene No.	103268	Strand	+
Start	47	End	742
Name	OJ991122_05.0421.C20.o1.gs	Method	GENSCAN
Start	47	End	742
GI	none	Score	1
Exons	47..295, 521..742		

Seq. No.	48492	Seq. ID	OJ991122_05.0421.C20
Gene No.	103269	Strand	+
Start	2211	End	5161
Name	OJ991122_05.0421.C20.o2.gs	Method	GENSCAN
Start	2211	End	5161
GI	none	Score	.75
Exons	2211..3200, 3289..3352, 3403..3420, 3564..3688, 3753..4529, 4712..4999, 5063..5161		

Seq. No.	48492	Seq. ID	OJ991122_05.0421.C20
Gene No.	103270	Strand	+
Start	6854	End	7669
Name	OJ991122_05.0421.C20.o3.gs	Method	GENSCAN
Start	6854	End	7669
GI	none	Score	.81
Exons	6854..7144, 7347..7538, 7571..7669		

Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103271	Strand	+
Start	5004	End	6352
Name	OJ991122_05.0421.C21.o2.gs	Method	GENSCAN
Start	5004	End	6352
GI	none	Score	.72
Exons	5004..5046, 5087..5350, 5805..6352		

Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103272	Strand	+
Start	6800	End	7619
Name	OJ991122_05.0421.C21.o3.gs	Method	GENSCAN
Start	6800	End	7619
GI	none	Score	.52
Exons	6800..6866, 7276..7619		

Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103273	Strand	-
Start	941	End	4849
Name	OJ991122_05.0421.C21.o1.gs	Method	GENSCAN
Start	941	End	4756
GI	none	Score	.79
Exons	941..4756		

Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103273	Strand	-
Start	941	End	4849
Name	OJ991122_05.0421.C21.o1.np	Method	AAT/NAP
Start	944	End	4849
GI	6539553	Score	6737
Exons	944..4849		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837)		

Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o2.tw	Method	TBLASTX:Wheat
Start	1080	End	1556
GI	none	Score	353
Exons	1080..1466, 1118..1465, 1159..1467, 1481..1555, 1485..1556		

Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o4.ts	Method	TBLASTX:Soybean
Start	1208	End	1549
GI	none	Score	83
Exons	1208..1417, 1287..1412, 1436..1549, 1443..1523		

Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o4.tm	Method	TBLASTX:Maize
Start	1412	End	1751
GI	none	Score	194
Exons	1412..1750, 1413..1751		

Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o2.ts	Method	TBLASTX:Soybean
Start	1562	End	1907
GI	none	Score	123
Exons	1562..1906, 1707..1907		

Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o3.tw	Method	TBLASTX:Wheat
Start	1760	End	2305
GI	none	Score	48
Exons	1760..1966, 1770..1892, 1961..2305, 1985..2158		

Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o2.tm	Method	TBLASTX:Maize
Start	1841	End	2306
GI	none	Score	55
Exons	1841..2305, 1944..2054, 1988..2170, 2124..2306		

Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o1.ts	Method	TBLASTX:Soybean
Start	1976	End	2440
GI	5509260	Score	58

Exons	1976..2440, 1995..2054, 2127..2222, 2271..2339		
GI Descrip.	-		
Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o1.tc	Method	TBLASTX:Cress
Start	2087	End	2347
GI	none	Score	63
Exons	2087..2347, 2268..2345		
Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o1.tw	Method	TBLASTX:Wheat
Start	2360	End	3115
GI	none	Score	200
Exons	2360..2599, 2361..2519, 2377..2607, 2380..2577, 2628..3107, 2651..3115		
Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o2.tc	Method	TBLASTX:Cress
Start	2741	End	3130
GI	none	Score	112
Exons	2741..2935, 2948..3130		
Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o3.ts	Method	TBLASTX:Soybean
Start	2765	End	3163
GI	none	Score	38
Exons	2765..2938, 2892..2930, 2939..3163, 2985..3155		
Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o5.tm	Method	TBLASTX:Maize
Start	2951	End	3385
GI	none	Score	84
Exons	2951..3385, 2976..3176		
Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o5.tw	Method	TBLASTX:Wheat
Start	3116	End	3307
GI	none	Score	186
Exons	3116..3307, 3116..3307		
Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o5.ts	Method	TBLASTX:Soybean
Start	3173	End	3559

GI	none	Score	88
Exons	3173..3421, 3404..3559		
Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o1.tm	Method	TBLASTX:Maize
Start	3586	End	3908
GI	none	Score	375
Exons	3586..3753, 3588..3881, 3590..3901, 3654..3908		
Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o3.tm	Method	TBLASTX:Maize
Start	4407	End	4720
GI	none	Score	287
Exons	4407..4712, 4409..4720		
Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o4.tw	Method	TBLASTX:Wheat
Start	4469	End	4855
GI	none	Score	248
Exons	4469..4855, 4470..4844		
Seq. No.	48493	Seq. ID	OJ991122_05.0421.C21
Gene No.	103274	Strand	-
Start	7926	End	8457
Name	OJ991122_05.0421.C21.o4.gs	Method	GENSCAN
Start	7926	End	8457
GI	none	Score	.77
Exons	7926..8080, 8406..8457		
Seq. No.	48494	Seq. ID	OJ991122_05.0421.C22
Gene No.	103275	Strand	-
Start	1	End	3858
Name	OJ991122_05.0421.C22.o1.np	Method	AAT/NAP
Start	1	End	1648
GI	6815072	Score	538
Exons	1..25, 954..1648		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		
Seq. No.	48494	Seq. ID	OJ991122_05.0421.C22
Gene No.	103275	Strand	-
Start	1	End	3858
Name	OJ991122_05.0421.C22.o1.gs	Method	GENSCAN
Start	941	End	3858
GI	none	Score	.72
Exons	941..1317, 3721..3858		
Seq. No.	48494	Seq. ID	OJ991122_05.0421.C22
Gene No.	103275	Strand	-
Start	1	End	3858
Name	OJ991122_05.0421.C22.o1.tm	Method	TBLASTX:Maize

Start	1250	End	1631
GI	none	Score	106
Exons	1250..1525, 1344..1505, 1536..1631, 1542..1625		

Seq. No.	48495	Seq. ID	OJ991122_05.0421.C23
Gene No.	103276	Strand	+
Start	548	End	1303
Name	OJ991122_05.0421.C23.o1.gs	Method	GENSCAN
Start	548	End	1303
GI	none	Score	.59
Exons	548..590, 1110..1178, 1251..1303		

Seq. No.	48495	Seq. ID	OJ991122_05.0421.C23
Gene No.	103277	Strand	+
Start	4111	End	6359
Name	OJ991122_05.0421.C23.o3.gs	Method	GENSCAN
Start	4111	End	6359
GI	none	Score	.82
Exons	4111..4162, 4667..4797, 5224..5393, 5809..6359		

Seq. No.	48495	Seq. ID	OJ991122_05.0421.C23
Gene No.	103278	Strand	-
Start	1748	End	3647
Name	OJ991122_05.0421.C23.o2.gs	Method	GENSCAN
Start	1748	End	3647
GI	none	Score	.59
Exons	1748..1756, 2793..2909, 2970..3086, 3133..3383, 3549..3588, 3594..3647		

Seq. No.	48496	Seq. ID	OJ991122_05.0421.C24
Gene No.	103279	Strand	+
Start	57	End	640
Name	OJ991122_05.0421.C24.o1.gs	Method	GENSCAN
Start	57	End	640
GI	none	Score	.58
Exons	57..640		

Seq. No.	48497	Seq. ID	OJ991122_05.0421.C25
Gene No.	103280	Strand	-
Start	437	End	662
Name	OJ991122_05.0421.C25.o1.np	Method	AAT/NAP
Start	437	End	662
GI	6634727	Score	63
Exons	437..662		
GI Descrip.	(AC012463) T2E6.12 [Arabidopsis thaliana]		

Seq. No.	48498	Seq. ID	OJ991112_04.0421.C2
Gene No.	103281	Strand	-
Start	55	End	396
Name	OJ991112_04.0421.C2.o1.gs	Method	GENSCAN
Start	55	End	396
GI	none	Score	.61
Exons	55..396		

Seq. No.	48499	Seq. ID	OJ991112_04.0421.C9
Gene No.	103282	Strand	+
Start	115	End	274

Name	OJ991112_04.0421.C9.o1.gs	Method	GENSCAN
Start	115	End	274
GI	none	Score	.55
Exons	115..274		

Seq. No.	48500	Seq. ID	OJ991112_04.0421.C10
Gene No.	103283	Strand	-
Start	1	End	707
Name	OJ991112_04.0421.C10.o1.np	Method	AAT/NAP
Start	1	End	343
GI	7489803	Score	363
Exons	1..343		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	48500	Seq. ID	OJ991112_04.0421.C10
Gene No.	103283	Strand	-
Start	1	End	707
Name	OJ991112_04.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	28	End	431
GI	none	Score	66
Exons	28..183, 51..185, 68..334, 69..329, 253..354, 354..431, 360..431		

Seq. No.	48500	Seq. ID	OJ991112_04.0421.C10
Gene No.	103283	Strand	-
Start	1	End	707
Name	OJ991112_04.0421.C10.o1.tw	Method	TBLASTX:Wheat
Start	83	End	313
GI	none	Score	68
Exons	83..313, 99..206, 272..313		

Seq. No.	48500	Seq. ID	OJ991112_04.0421.C10
Gene No.	103283	Strand	-
Start	1	End	707
Name	OJ991112_04.0421.C10.o1.gs	Method	GENSCAN
Start	181	End	707
GI	none	Score	.4
Exons	181..337, 417..707		

Seq. No.	48501	Seq. ID	OJ991112_04.0421.C12
Gene No.	103284	Strand	-
Start	1	End	777
Name	OJ991112_04.0421.C12.o1.np	Method	AAT/NAP
Start	1	End	777
GI	7444451	Score	460
Exons	1..777		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	48501	Seq. ID	OJ991112_04.0421.C12
Gene No.	103284	Strand	-
Start	1	End	777
Name	OJ991112_04.0421.C12.o1.gs	Method	GENSCAN
Start	89	End	684
GI	none	Score	.47

Exons	89..684		
Seq. No.	48501	Seq. ID	OJ991112_04.0421.C12
Gene No.	103284	Strand	-
Start	1	End	777
Name	OJ991112_04.0421.C12.o1.tw	Method	TBLASTX:Wheat
Start	350	End	598
GI	none	Score	80
Exons	350..598, 378..512		
Seq. No.	48501	Seq. ID	OJ991112_04.0421.C12
Gene No.	103284	Strand	-
Start	1	End	777
Name	OJ991112_04.0421.C12.o1.tm	Method	TBLASTX:Maize
Start	395	End	682
GI	none	Score	164
Exons	395..682, 399..662, 551..682		
Seq. No.	48502	Seq. ID	OJ991112_04.0421.C15
Gene No.	103285	Strand	+
Start	114	End	919
Name	OJ991112_04.0421.C15.o1.gs	Method	GENSCAN
Start	114	End	919
GI	none	Score	.68
Exons	114..427, 547..571, 626..734, 813..919		
Seq. No.	48503	Seq. ID	OJ991112_04.0421.C16
Gene No.	103286	Strand	-
Start	104	End	804
Name	OJ991112_04.0421.C16.o1.tw	Method	TBLASTX:Wheat
Start	5	End	726
GI	none	Score	68
Exons	5..136, 9..83, 273..380, 284..445, 299..418, 419..508, 457..507, 602..721, 628..726		
Seq. No.	48503	Seq. ID	OJ991112_04.0421.C16
Gene No.	103286	Strand	-
Start	104	End	804
Name	OJ991112_04.0421.C16.o1.np	Method	AAT/NAP
Start	104	End	804
GI	5902444	Score	406
Exons	104..804		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	48503	Seq. ID	OJ991112_04.0421.C16
Gene No.	103286	Strand	-
Start	104	End	804
Name	OJ991112_04.0421.C16.o1.gs	Method	GENSCAN
Start	216	End	765
GI	none	Score	.54
Exons	216..459, 633..765		
Seq. No.	48504	Seq. ID	OJ991112_04.0421.C17
Gene No.	103287	Strand	-
Start	347	End	428
Name	OJ991112_04.0421.C17.o1.gp	Method	AAT/GAP
Start	347	End	428

GI	3004_1.R1084	Score	103
Exons	347..428		
GI Descrip.	'4508079/gb|AAD21423.1| 1.0e-46 (AC005882) 66284 [Arabidopsis thaliana]'		

Seq. No.	48505	Seq. ID	OJ991112_04.0421.C19
Gene No.	103288	Strand	-
Start	170	End	368
Name	OJ991112_04.0421.C19.o1.gs	Method	GENSCAN
Start	170	End	368
GI	none	Score	.42
Exons	170..278, 328..368		

Seq. No.	48506	Seq. ID	OJ991112_04.0421.C21
Gene No.	103289	Strand	-
Start	1736	End	2687
Name	OJ991112_04.0421.C21.o1.gs	Method	GENSCAN
Start	1736	End	2687
GI	none	Score	.61
Exons	1736..1932, 2636..2687		

Seq. No.	48507	Seq. ID	OJ991112_04.0421.C22
Gene No.	103290	Strand	+
Start	2117	End	2333
Name	OJ991112_04.0421.C22.o2.gs	Method	GENSCAN
Start	2117	End	2333
GI	none	Score	.88
Exons	2117..2170, 2207..2333		

Seq. No.	48507	Seq. ID	OJ991112_04.0421.C22
Gene No.	103291	Strand	+
Start	2237	End	2384
Name	OJ991112_04.0421.C22.o1.gp	Method	AAT/GAP
Start	2237	End	2384
GI	20764_1.R1084	Score	292
Exons	2237..2384		
GI Descrip.	'4689108/gb|AAD27763.1|AF077030_1 7.0e-40 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]'		

Seq. No.	48507	Seq. ID	OJ991112_04.0421.C22
Gene No.	103292	Strand	+
Start	2286	End	2384
Name	OJ991112_04.0421.C22.o1.np	Method	AAT/NAP
Start	2286	End	2384
GI	6598578	Score	148
Exons	2286..2384		
GI Descrip.	(AC006228) F5J5.4 [Arabidopsis thaliana]		

Seq. No.	48507	Seq. ID	OJ991112_04.0421.C22
Gene No.	103293	Strand	-
Start	325	End	744
Name	OJ991112_04.0421.C22.o1.gs	Method	GENSCAN
Start	325	End	744
GI	none	Score	.96
Exons	325..744		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103294	Strand	+
Start	542	End	4350
Name	OJ991112_04.0421.C23.o1.np	Method	AAT/NAP
Start	542	End	4293
GI	6970282	Score	1142
Exons	542..749, 1040..1123, 1236..1316, 1662..1742, 2392..2484, 2616..2795, 2914..2981, 3113..3164, 3293..3346, 3466..3558, 3757..3823, 4205..4293		
GI Descrip.	(AC021666) unknown protein [Arabidopsis thaliana]		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103294	Strand	+
Start	542	End	4350
Name	OJ991112_04.0421.C23.o1.gp	Method	AAT/GAP
Start	676	End	2484
GI	20764_1.R1084	Score	731
Exons	676..749, 1040..1123, 1236..1316, 1662..1742, 2392..2484		
GI Descrip.	'4689108/gb|AAD27763.1|AF077030_1 7.0e-40 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]'		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103294	Strand	+
Start	542	End	4350
Name	OJ991112_04.0421.C23.o1.gs	Method	GENSCAN
Start	996	End	4296
GI	none	Score	.76
Exons	996..1123, 1236..1316, 1662..1742, 2392..2484, 2616..2795, 2914..2981, 3113..3164, 3293..3346, 3466..3558, 3757..3823, 4205..4296		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103294	Strand	+
Start	542	End	4350
Name	OJ991112_04.0421.C23.o2.gp	Method	AAT/GAP
Start	2934	End	4350
GI	2280615	Score	795
Exons	2934..2981, 3113..3164, 3293..3346, 3466..3558, 3757..3823, 4205..4350		
GI Descrip.	4689108/gb|AAD27763.1|AF077030_1 1.0e-35 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103295	Strand	+
Start	5766	End	9547
Name	OJ991112_04.0421.C23.o2.tm	Method	TBLASTX:Maize
Start	675	End	3552
GI	none	Score	122
Exons	675..749, 676..750, 678..764, 1018..1122, 1019..1114, 1024..1122, 1034..1126, 1041..1130, 1226..1324, 1236..1325, 1656..1757, 1664..1741, 2372..2491, 2373..2483, 2391..2519, 2392..2484, 2393..2491, 2612..2797, 2619..2798, 2908..2982,		

2913..2981, 3113..3178, 3114..3245, 3245..3346, 3275..3349,
3463..3519, 3468..3548, 3535..3552

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103295	Strand	+
Start	5766	End	9547
Name	OJ991112_04.0421.C23.o3.ts	Method	TBLASTX:Soybean
Start	1620	End	4296
GI	none	Score	68
Exons	1620..1739, 1648..1740, 1659..1757, 1664..1759, 2391..2483, 2392..2484, 2396..2491, 2612..2794, 2614..2799, 2615..2785, 2619..2798, 2908..2979, 2925..2978, 3110..3178, 3120..3182, 3275..3346, 3463..3567, 3465..3560, 3751..3849, 3756..3827, 4203..4277, 4203..4295, 4204..4296, 4207..4296		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103295	Strand	+
Start	5766	End	9547
Name	OJ991112_04.0421.C23.o2.tc	Method	TBLASTX:Cress
Start	2394	End	2979
GI	none	Score	143
Exons	2394..2483, 2395..2484, 2612..2794, 2614..2787, 2619..2798, 2644..2799, 2908..2979, 2922..2978		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103295	Strand	+
Start	5766	End	9547
Name	OJ991112_04.0421.C23.o2.gs	Method	GENSCAN
Start	5766	End	9547
GI	none	Score	.84
Exons	5766..6208, 6541..6575, 6994..7164, 7279..7658, 8530..8581, 9481..9547		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103295	Strand	+
Start	5766	End	9547
Name	OJ991112_04.0421.C23.o2.np	Method	AAT/NAP
Start	5766	End	8643
GI	3928758	Score	1351
Exons	5766..5845, 5885..6208, 6954..7164, 7279..7658, 8530..8643		
GI Descrip.	(AB007987) Lipoic acid synthase [Arabidopsis thaliana] gi|4454462|gb|AAD20909.1| (AC006234) lipoic acid synthase (LIP1) [Arabidopsis thaliana]		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103295	Strand	+
Start	5766	End	9547
Name	OJ991112_04.0421.C23.o3.tm	Method	TBLASTX:Maize
Start	5817	End	6069
GI	none	Score	80
Exons	5817..5867, 5840..5872, 5906..6037, 5907..6038, 6040..6069, 6040..6069		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103295	Strand	+
Start	5766	End	9547
Name	OJ991112_04.0421.C23.o2.ts	Method	TBLASTX:Soybean

Start	5910	End	6984
GI	none	Score	414
Exons	5910..6209, 5960..6208, 6949..6984		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103295	Strand	+
Start	5766	End	9547
Name	OJ991112_04.0421.C23.o1.tc	Method	TBLASTX:Cress
Start	5967	End	8637
GI	none	Score	407
Exons	5967..6209, 5972..6208, 6948..6983, 6949..6984, 6993..7160, 7010..7162, 7011..7163, 7274..7657, 7276..7662, 7278..7658, 8475..8615, 8530..8619, 8530..8637		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103295	Strand	+
Start	5766	End	9547
Name	OJ991112_04.0421.C23.o3.gp	Method	AAT/GAP
Start	6013	End	7164
GI	LIB3432-004-P1-K1-D10	Score	724
Exons	6013..6208, 6954..7164		
GI Descrip.	'3928758/dbj|BAA34701| 3.0e-63 (AB007987) Lipoic acid synthase [Arabidopsis thaliana] >gi_4454462_gb_AAD20909_ (AC006234) putative lipoic acid synthase [Arabidopsis thaliana]'		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103295	Strand	+
Start	5766	End	9547
Name	OJ991112_04.0421.C23.o1.tm	Method	TBLASTX:Maize
Start	6071	End	7516
GI	none	Score	238
Exons	6071..6208, 6072..6209, 6946..6978, 6949..6984, 6951..6983, 6966..7163, 6986..7159, 6988..7164, 7011..7163, 7274..7516, 7278..7514		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103295	Strand	+
Start	5766	End	9547
Name	OJ991112_04.0421.C23.o1.ts	Method	TBLASTX:Soybean
Start	7066	End	8640
GI	none	Score	86
Exons	7066..7116, 7067..7117, 7071..7124, 7104..7163, 7121..7159, 7273..7659, 7277..7663, 7278..7658, 8475..8621, 8530..8640		

Seq. No.	48508	Seq. ID	OJ991112_04.0421.C23
Gene No.	103295	Strand	+
Start	5766	End	9547
Name	OJ991112_04.0421.C23.o4.gp	Method	AAT/GAP
Start	8579	End	8950
GI	2800221	Score	669
Exons	8579..8950		

Seq. No.	48509	Seq. ID	OJ991112_04.0421.C24
Gene No.	103296	Strand	+
Start	58	End	459
Name	OJ991112_04.0421.C24.o1.gs	Method	GENSCAN
Start	58	End	459

GI	none	Score	.95
Exons	58..193, 256..459		
Seq. No.	48509	Seq. ID	OJ991112_04.0421.C24
Gene No.	103297	Strand	-
Start	1257	End	1526
Name	OJ991112_04.0421.C24.o2.gs	Method	GENSCAN
Start	1257	End	1526
GI	none	Score	.48
Exons	1257..1425, 1462..1526		
Seq. No.	48510	Seq. ID	OJ991112_04.0421.C25
Gene No.	103298	Strand	+
Start	56	End	4011
Name	OJ991112_04.0421.C25.o1.gs	Method	GENSCAN
Start	56	End	3731
GI	none	Score	.78
Exons	56..173, 516..712, 850..923, 2016..2145, 2532..2843, 3459..3731		
Seq. No.	48510	Seq. ID	OJ991112_04.0421.C25
Gene No.	103298	Strand	+
Start	56	End	4011
Name	OJ991112_04.0421.C25.o1.gp	Method	AAT/GAP
Start	523	End	2683
GI	47756_1.R1084	Score	974
Exons	523..712, 850..923, 2016..2145, 2532..2683		
GI Descrip.	'4490737/emb|CAB38899.1| 4.0e-28 (AL035708) putative protein [Arabidopsis thaliana]'		
Seq. No.	48510	Seq. ID	OJ991112_04.0421.C25
Gene No.	103298	Strand	+
Start	56	End	4011
Name	OJ991112_04.0421.C25.o1.np	Method	AAT/NAP
Start	584	End	3728
GI	7487706	Score	803
Exons	584..712, 846..923, 2022..2145, 2532..2843, 3459..3728		
GI Descrip.	hypothetical protein T5J17.30 - Arabidopsis thaliana gi|4490737|emb|CAB38899.1| (AL035708) putative protein [Arabidopsis thaliana] gi|7271041|emb|CAB80649.1| (AL161596) putative protein [Arabidopsis thaliana]		
Seq. No.	48510	Seq. ID	OJ991112_04.0421.C25
Gene No.	103298	Strand	+
Start	56	End	4011
Name	OJ991112_04.0421.C25.o2.gp	Method	AAT/GAP
Start	2756	End	4011
GI	84691_1.R1084	Score	1192
Exons	2756..2843, 3459..4011		
GI Descrip.	'4490737/emb|CAB38899.1| 6.0e-37 (AL035708) putative protein [Arabidopsis thaliana]'		
Seq. No.	48510	Seq. ID	OJ991112_04.0421.C25
Gene No.	103299	Strand	-
Start	4409	End	7995
Name	OJ991112_04.0421.C25.o1.tc	Method	TBLASTX:Cress
Start	580	End	3755
GI	none	Score	88

Exons	580..657, 584..643, 2013..2072, 2023..2169, 2529..2873, 2531..2878, 3449..3571, 3451..3570, 3458..3718, 3459..3755, 3661..3732		
Seq. No.	48510	Seq. ID	OJ991112_04.0421.C25
Gene No.	103299	Strand	-
Start	4409	End	7995
Name	OJ991112_04.0421.C25.o1.tm	Method	TBLASTX:Maize
Start	580	End	3889
GI	none	Score	96
Exons	580..660, 581..643, 847..921, 849..890, 2013..2069, 2014..2097, 2015..2134, 2098..2169, 2099..2158, 2525..2647, 2525..2626, 2529..2648, 2530..2658, 2530..2646, 2652..2807, 2652..2801, 2652..2807, 2654..2815, 2666..2812, 2801..2839, 2806..2838, 2811..2873, 2813..2842, 3458..3574, 3459..3575, 3460..3576, 3557..3760, 3569..3784, 3570..3803, 3571..3798, 3595..3804, 3820..3882, 3821..3880, 3851..3889		
Seq. No.	48510	Seq. ID	OJ991112_04.0421.C25
Gene No.	103299	Strand	-
Start	4409	End	7995
Name	OJ991112_04.0421.C25.o1.ts	Method	TBLASTX:Soybean
Start	583	End	2763
GI	none	Score	90
Exons	583..657, 584..643, 2014..2112, 2095..2145, 2529..2762, 2530..2763, 2531..2761		
Seq. No.	48510	Seq. ID	OJ991112_04.0421.C25
Gene No.	103299	Strand	-
Start	4409	End	7995
Name	OJ991112_04.0421.C25.o1.tw	Method	TBLASTX:Wheat
Start	2658	End	3657
GI	none	Score	278
Exons	2658..2873, 2662..2841, 3356..3394, 3458..3646, 3461..3646, 3462..3653, 3577..3657		
Seq. No.	48510	Seq. ID	OJ991112_04.0421.C25
Gene No.	103299	Strand	-
Start	4409	End	7995
Name	OJ991112_04.0421.C25.o2.ts	Method	TBLASTX:Soybean
Start	3455	End	3731
GI	none	Score	268
Exons	3455..3721, 3459..3731		
Seq. No.	48510	Seq. ID	OJ991112_04.0421.C25
Gene No.	103299	Strand	-
Start	4409	End	7995
Name	OJ991112_04.0421.C25.o2.gs	Method	GENSCAN
Start	4409	End	7995
GI	none	Score	.57
Exons	4409..4434, 4605..4678, 5149..5284, 5905..6024, 6617..7350, 7380..7995		
Seq. No.	48511	Seq. ID	OJ991112_04.0421.C26
Gene No.	103300	Strand	+
Start	2088	End	11013
Name	OJ991112_04.0421.C26.o1.gp	Method	AAT/GAP

Start	2088	End	2666
GI	426495	Score	672
Exons	2088..2300, 2517..2666		

Seq. No.	48511	Seq. ID	OJ991112_04.0421.C26
Gene No.	103300	Strand	+
Start	2088	End	11013
Name	OJ991112_04.0421.C26.o1.gs	Method	GENSCAN
Start	2200	End	11013
GI	none	Score	.51
Exons	2200..2300, 2517..3067, 4236..4510, 6062..6597, 6929..7376, 7878..8045, 8709..8883, 9079..9284, 9305..9481, 9554..9739, 9745..9914, 10803..11013		

Seq. No.	48511	Seq. ID	OJ991112_04.0421.C26
Gene No.	103300	Strand	+
Start	2088	End	11013
Name	OJ991112_04.0421.C26.o1.np	Method	AAT/NAP
Start	2968	End	6430
GI	5257262	Score	237
Exons	2968..3067, 4272..4523, 6062..6430		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	48511	Seq. ID	OJ991112_04.0421.C26
Gene No.	103300	Strand	+
Start	2088	End	11013
Name	OJ991112_04.0421.C26.o2.gp	Method	AAT/GAP
Start	6525	End	7038
GI	none	Score	988
Exons	6525..7038		

Seq. No.	48511	Seq. ID	OJ991112_04.0421.C26
Gene No.	103301	Strand	-
Start	6036	End	10485
Name	OJ991112_04.0421.C26.o1.tw	Method	TBLASTX:Wheat
Start	4424	End	6351
GI	none	Score	106
Exons	4424..4510, 4425..4511, 4426..4512, 4426..4518, 6059..6343, 6060..6344, 6062..6349, 6232..6351		

Seq. No.	48511	Seq. ID	OJ991112_04.0421.C26
Gene No.	103301	Strand	-
Start	6036	End	10485
Name	OJ991112_04.0421.C26.o2.np	Method	AAT/NAP
Start	6036	End	10485
GI	99758	Score	201
Exons	6036..6058, 9553..9843, 10349..10485		
GI Descrip.	monosaccharide transport protein STP4 - Arabidopsis thaliana gi|16524|emb|CAA47325.1| (X66857) sugar transport protein [Arabidopsis thaliana]		

Seq. No.	48511	Seq. ID	OJ991112_04.0421.C26
Gene No.	103301	Strand	-
Start	6036	End	10485
Name	OJ991112_04.0421.C26.o2.tm	Method	TBLASTX:Maize
Start	6149	End	6444
GI	none	Score	44

Exons	6149..6187, 6153..6194, 6229..6441, 6236..6442, 6239..6442, 6247..6444		
Seq. No.	48511	Seq. ID	OJ991112_04.0421.C26
Gene No.	103301	Strand	-
Start	6036	End	10485
Name	OJ991112_04.0421.C26.o3.tm	Method	TBLASTX:Maize
Start	9126	End	9363
GI	none	Score	133
Exons	9126..9290, 9127..9285, 9286..9363		
Seq. No.	48511	Seq. ID	OJ991112_04.0421.C26
Gene No.	103301	Strand	-
Start	6036	End	10485
Name	OJ991112_04.0421.C26.o1.tm	Method	TBLASTX:Maize
Start	9647	End	10431
GI	none	Score	87
Exons	9647..9718, 9669..9704, 9698..9820, 9700..9819, 9824..9847, 9825..9848, 10329..10385, 10348..10380, 10387..10431, 10388..10429		
Seq. No.	48512	Seq. ID	OJ991112_04.0421.C27
Gene No.	103302	Strand	+
Start	1269	End	2600
Name	OJ991112_04.0421.C27.o1.np	Method	AAT/NAP
Start	1269	End	2600
GI	7228442	Score	1380
Exons	1269..2600		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		
Seq. No.	48512	Seq. ID	OJ991112_04.0421.C27
Gene No.	103302	Strand	+
Start	1269	End	2600
Name	OJ991112_04.0421.C27.o1.tm	Method	TBLASTX:Maize
Start	2317	End	2598
GI	none	Score	207
Exons	2317..2598, 2322..2435, 2475..2591		
Seq. No.	48513	Seq. ID	OJ991112_04.0421.C28
Gene No.	103303	Strand	+
Start	1	End	1474
Name	OJ991112_04.0421.C28.o1.np	Method	AAT/NAP
Start	1	End	1220
GI	7228442	Score	808
Exons	1..746, 1036..1220		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		
Seq. No.	48513	Seq. ID	OJ991112_04.0421.C28
Gene No.	103303	Strand	+
Start	1	End	1474
Name	OJ991112_04.0421.C28.o1.gs	Method	GENSCAN
Start	5	End	1474
GI	none	Score	.41

Exons	5..761, 1138..1282, 1385..1474		
Seq. No.	48514	Seq. ID	OJ991112_04.0421.C29
Gene No.	103304	Strand	+
Start	1	End	2806
Name	OJ991112_04.0421.C29.o1.np	Method	AAT/NAP
Start	1	End	2806
GI	7228438	Score	851
Exons	1..306, 386..684, 788..1049, 1135..1324, 1445..1554, 2721..2806		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		
Seq. No.	48514	Seq. ID	OJ991112_04.0421.C29
Gene No.	103304	Strand	+
Start	1	End	2806
Name	OJ991112_04.0421.C29.o1.gs	Method	GENSCAN
Start	195	End	1966
GI	none	Score	.76
Exons	195..306, 386..684, 788..1049, 1135..1320, 1526..1550, 1577..1728, 1796..1966		
Seq. No.	48514	Seq. ID	OJ991112_04.0421.C29
Gene No.	103304	Strand	+
Start	1	End	2806
Name	OJ991112_04.0421.C29.o1.gp	Method	AAT/GAP
Start	2314	End	2657
GI	none	Score	618
Exons	2314..2657		
Seq. No.	48514	Seq. ID	OJ991112_04.0421.C29
Gene No.	103305	Strand	-
Start	2514	End	2757
Name	OJ991112_04.0421.C29.o2.gs	Method	GENSCAN
Start	2514	End	2757
GI	none	Score	.89
Exons	2514..2653, 2680..2757		
Seq. No.	48515	Seq. ID	OJ991112_04.0421.C30
Gene No.	103306	Strand	-
Start	620	End	1316
Name	OJ991112_04.0421.C30.o1.gs	Method	GENSCAN
Start	620	End	1316
GI	none	Score	.58
Exons	620..743, 826..992, 1263..1316		
Seq. No.	48516	Seq. ID	OJ991112_04.0421.C31
Gene No.	103307	Strand	+
Start	308	End	675
Name	OJ991112_04.0421.C31.o1.gp	Method	AAT/GAP
Start	308	End	675
GI	none	Score	721
Exons	308..675		
Seq. No.	48516	Seq. ID	OJ991112_04.0421.C31
Gene No.	103308	Strand	-
Start	538	End	1534

Name	OJ991112_04.0421.C31.o1.np	Method	AAT/NAP
Start	538	End	1534
GI	347855	Score	841
Exons	538..1534		
GI Descrip.	(L21753) glucose transporter [Saccharum hybrid cultivar H65-7052]		

Seq. No.	48516	Seq. ID	OJ991112_04.0421.C31
Gene No.	103308	Strand	-
Start	538	End	1534
Name	OJ991112_04.0421.C31.o1.tw	Method	TBLASTX:Wheat
Start	596	End	925
GI	none	Score	87
Exons	596..694, 600..695, 694..924, 712..843, 719..925		

Seq. No.	48516	Seq. ID	OJ991112_04.0421.C31
Gene No.	103308	Strand	-
Start	538	End	1534
Name	OJ991112_04.0421.C31.o1.tc	Method	TBLASTX:Cress
Start	599	End	1491
GI	none	Score	77
Exons	599..691, 600..701, 694..927, 695..916, 949..1266, 950..1255, 1345..1491		

Seq. No.	48516	Seq. ID	OJ991112_04.0421.C31
Gene No.	103308	Strand	-
Start	538	End	1534
Name	OJ991112_04.0421.C31.o1.ts	Method	TBLASTX:Soybean
Start	599	End	1491
GI	none	Score	91
Exons	599..691, 694..927, 740..922, 904..1266, 950..1237, 1345..1491		

Seq. No.	48516	Seq. ID	OJ991112_04.0421.C31
Gene No.	103308	Strand	-
Start	538	End	1534
Name	OJ991112_04.0421.C31.o1.tm	Method	TBLASTX:Maize
Start	599	End	1468
GI	none	Score	84
Exons	599..691, 620..691, 680..805, 694..849, 694..1266, 728..1267, 1412..1468		

Seq. No.	48516	Seq. ID	OJ991112_04.0421.C31
Gene No.	103308	Strand	-
Start	538	End	1534
Name	OJ991112_04.0421.C31.o2.tw	Method	TBLASTX:Wheat
Start	961	End	1281
GI	none	Score	229
Exons	961..1266, 965..1264, 1219..1281		

Seq. No.	48517	Seq. ID	OJ991112_04.0421.C32
Gene No.	103309	Strand	+
Start	152	End	432
Name	OJ991112_04.0421.C32.o1.gs	Method	GENSCAN
Start	152	End	432
GI	none	Score	.76
Exons	152..197, 377..432		

Seq. No.	48518	Seq. ID	OJ991112_04.0421.C33
Gene No.	103310	Strand	+
Start	2705	End	4086
Name	OJ991112_04.0421.C33.o3.np	Method	AAT/NAP
Start	2705	End	4086
GI	6907088	Score	948
Exons	2705..2842, 3018..3256, 3755..4086		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48518	Seq. ID	OJ991112_04.0421.C33
Gene No.	103311	Strand	-
Start	1	End	321
Name	OJ991112_04.0421.C33.o1.np	Method	AAT/NAP
Start	1	End	321
GI	1353516	Score	130
Exons	1..80, 178..321		
GI Descrip.	(U38651) sugar transporter [Medicago truncatula]		

Seq. No.	48518	Seq. ID	OJ991112_04.0421.C33
Gene No.	103312	Strand	-
Start	1854	End	4082
Name	OJ991112_04.0421.C33.o1.tm	Method	TBLASTX:Maize
Start	1585	End	4082
GI	none	Score	175
Exons	1585..1704, 1596..1808, 1607..1753, 1788..1823, 3990..4082		

Seq. No.	48518	Seq. ID	OJ991112_04.0421.C33
Gene No.	103312	Strand	-
Start	1854	End	4082
Name	OJ991112_04.0421.C33.o1.gp	Method	AAT/GAP
Start	1854	End	2360
GI	38782_1.R1084	Score	822
Exons	1854..2360		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	48518	Seq. ID	OJ991112_04.0421.C33
Gene No.	103312	Strand	-
Start	1854	End	4082
Name	OJ991112_04.0421.C33.o2.gs	Method	GENSCAN
Start	2153	End	4015
GI	none	Score	.99
Exons	2153..2226, 3865..4015		

Seq. No.	48519	Seq. ID	OJ991112_04.0421.C34
Gene No.	103313	Strand	+
Start	46	End	4747
Name	OJ991112_04.0421.C34.o1.gs	Method	GENSCAN
Start	46	End	4747
GI	none	Score	.84
Exons	46..372, 700..736, 1859..1889, 2196..2395, 4276..4747		

Seq. No.	48519	Seq. ID	OJ991112_04.0421.C34
Gene No.	103314	Strand	-
Start	989	End	1406
Name	OJ991112_04.0421.C34.o1.np	Method	AAT/NAP
Start	989	End	1406

GI	7444451	Score	526
Exons	989..1406		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	48519	Seq. ID	OJ991112_04.0421.C34
Gene No.	103315	Strand	-
Start	3141	End	3523
Name	OJ991112_04.0421.C34.o1.gp	Method	AAT/GAP
Start	3141	End	3523
GI	uC-osflcyp033a04b1	Score	688
Exons	3141..3523		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48519	Seq. ID	OJ991112_04.0421.C34
Gene No.	103316	Strand	-
Start	5596	End	6578
Name	OJ991112_04.0421.C34.o1.ts	Method	TBLASTX:Soybean
Start	1040	End	1409
GI	none	Score	42
Exons	1040..1408, 1041..1106, 1146..1409		

Seq. No.	48519	Seq. ID	OJ991112_04.0421.C34
Gene No.	103316	Strand	-
Start	5596	End	6578
Name	OJ991112_04.0421.C34.o2.tm	Method	TBLASTX:Maize
Start	1046	End	1408
GI	none	Score	106
Exons	1046..1333, 1061..1327, 1162..1353, 1337..1369, 1340..1408		

Seq. No.	48519	Seq. ID	OJ991112_04.0421.C34
Gene No.	103316	Strand	-
Start	5596	End	6578
Name	OJ991112_04.0421.C34.o2.gs	Method	GENSCAN
Start	5596	End	6386
GI	none	Score	.86
Exons	5596..5952, 6090..6386		

Seq. No.	48519	Seq. ID	OJ991112_04.0421.C34
Gene No.	103316	Strand	-
Start	5596	End	6578
Name	OJ991112_04.0421.C34.o2.np	Method	AAT/NAP
Start	5599	End	6578
GI	6983860	Score	1372
Exons	5599..6578		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	48519	Seq. ID	OJ991112_04.0421.C34
Gene No.	103316	Strand	-
Start	5596	End	6578
Name	OJ991112_04.0421.C34.o2.tw	Method	TBLASTX:Wheat
Start	5644	End	5935
GI	none	Score	106
Exons	5644..5934, 5708..5935		

Seq. No.	48519	Seq. ID	OJ991112_04.0421.C34
Gene No.	103316	Strand	-
Start	5596	End	6578
Name	OJ991112_04.0421.C34.o1.tm	Method	TBLASTX:Maize
Start	5824	End	6377
GI	none	Score	63
Exons	5824..5949, 5839..5955, 5932..6216, 5937..6218, 6216..6377, 6223..6369		

Seq. No.	48519	Seq. ID	OJ991112_04.0421.C34
Gene No.	103316	Strand	-
Start	5596	End	6578
Name	OJ991112_04.0421.C34.o1.tw	Method	TBLASTX:Wheat
Start	5937	End	6557
GI	none	Score	268
Exons	5937..6557, 5962..6501		

Seq. No.	48519	Seq. ID	OJ991112_04.0421.C34
Gene No.	103316	Strand	-
Start	5596	End	6578
Name	OJ991112_04.0421.C34.o3.tm	Method	TBLASTX:Maize
Start	6378	End	6578
GI	none	Score	136
Exons	6378..6578, 6406..6576		

Seq. No.	48520	Seq. ID	OJ991112_04.0421.C35
Gene No.	103317	Strand	-
Start	1	End	3820
Name	OJ991112_04.0421.C35.o1.np	Method	AAT/NAP
Start	1	End	2438
GI	6983860	Score	658
Exons	1..55, 1210..1468, 1667..2438		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	48520	Seq. ID	OJ991112_04.0421.C35
Gene No.	103317	Strand	-
Start	1	End	3820
Name	OJ991112_04.0421.C35.o1.gs	Method	GENSCAN
Start	621	End	3820
GI	none	Score	.4
Exons	621..815, 1150..2469, 3776..3820		

Seq. No.	48520	Seq. ID	OJ991112_04.0421.C35
Gene No.	103318	Strand	-
Start	3728	End	4113
Name	OJ991112_04.0421.C35.o1.gp	Method	AAT/GAP
Start	3728	End	4113
GI	uC-osflcyp033a04b1	Score	649
Exons	3728..4113		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48520	Seq. ID	OJ991112_04.0421.C35
Gene No.	103319	Strand	-
Start	4548	End	7322

Name	OJ991112_04.0421.C35.o1.tm	Method	TBLASTX:Maize
Start	1708	End	2007
GI	none	Score	70
Exons	1708..2007, 1904..1993		

Seq. No.	48520	Seq. ID	OJ991112_04.0421.C35
Gene No.	103319	Strand	-
Start	4548	End	7322
Name	OJ991112_04.0421.C35.o2.tw	Method	TBLASTX:Wheat
Start	1888	End	2247
GI	none	Score	53
Exons	1888..2178, 1888..2247, 1892..2245		

Seq. No.	48520	Seq. ID	OJ991112_04.0421.C35
Gene No.	103319	Strand	-
Start	4548	End	7322
Name	OJ991112_04.0421.C35.o2.gs	Method	GENSCAN
Start	4548	End	7283
GI	none	Score	.59
Exons	4548..4722, 5196..5567, 6187..6370, 6479..6615, 6633..7283		

Seq. No.	48520	Seq. ID	OJ991112_04.0421.C35
Gene No.	103319	Strand	-
Start	4548	End	7322
Name	OJ991112_04.0421.C35.o2.np	Method	AAT/NAP
Start	5144	End	7322
GI	6721562	Score	1593
Exons	5144..5257, 6192..7322		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	48520	Seq. ID	OJ991112_04.0421.C35
Gene No.	103319	Strand	-
Start	4548	End	7322
Name	OJ991112_04.0421.C35.o1.tw	Method	TBLASTX:Wheat
Start	6276	End	6665
GI	none	Score	96
Exons	6276..6533, 6310..6549, 6516..6614, 6517..6597, 6621..6665		

Seq. No.	48520	Seq. ID	OJ991112_04.0421.C35
Gene No.	103319	Strand	-
Start	4548	End	7322
Name	OJ991112_04.0421.C35.o2.tm	Method	TBLASTX:Maize
Start	6378	End	6662
GI	none	Score	110
Exons	6378..6626, 6379..6624, 6390..6662		

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103320	Strand	+
Start	63	End	3563
Name	OJ991112_04.0421.C36.o2.np	Method	AAT/NAP
Start	63	End	1335
GI	7523512	Score	193
Exons	63..126, 1204..1335		

GI Descrip. (AP001633) hypothetical protein [Oryza sativa]

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103320	Strand	+
Start	63	End	3563
Name	OJ991112_04.0421.C36.o1.gs	Method	GENSCAN
Start	676	End	2922
GI	none	Score	.42
Exons	676..748, 1318..1439, 1640..1835, 1887..2063, 2804..2922		

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103320	Strand	+
Start	63	End	3563
Name	OJ991112_04.0421.C36.o3.np	Method	AAT/NAP
Start	1640	End	3563
GI	7444451	Score	1357
Exons	1640..3034, 3524..3563		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103321	Strand	-
Start	254	End	1883
Name	OJ991112_04.0421.C36.o1.np	Method	AAT/NAP
Start	254	End	1883
GI	5042454	Score	144
Exons	254..307, 722..895, 1835..1883		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103322	Strand	
Start	1856	End	2936
Name	OJ991112_04.0421.C36.o1.ts	Method	TBLASTX:Soybean
Start	1856	End	2366
GI	5509260	Score	98
Exons	1856..2041, 2046..2222, 2050..2223, 2210..2359, 2211..2366		
GI Descrip.	-		

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103322	Strand	
Start	1856	End	2936
Name	OJ991112_04.0421.C36.o3.tm	Method	TBLASTX:Maize
Start	1910	End	2166
GI	none	Score	112
Exons	1910..2047, 1910..2041, 2050..2166, 2055..2117		

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103322	Strand	
Start	1856	End	2936
Name	OJ991112_04.0421.C36.o1.tc	Method	TBLASTX:Cress
Start	1988	End	2223
GI	none	Score	65
Exons	1988..2047, 2050..2223		

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103322	Strand	

Start	1856	End	2936
Name	OJ991112_04.0421.C36.o2.tw	Method	TBLASTX:Wheat
Start	2053	End	2549
GI	none	Score	139
Exons	2053..2226, 2055..2171, 2211..2381, 2213..2377, 2373..2549		

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103322	Strand	
Start	1856	End	2936
Name	OJ991112_04.0421.C36.o1.tm	Method	TBLASTX:Maize
Start	2170	End	2609
GI	none	Score	53
Exons	2170..2223, 2211..2609, 2312..2425		

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103322	Strand	
Start	1856	End	2936
Name	OJ991112_04.0421.C36.o2.tc	Method	TBLASTX:Cress
Start	2436	End	2678
GI	none	Score	188
Exons	2436..2678		

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103322	Strand	
Start	1856	End	2936
Name	OJ991112_04.0421.C36.o2.ts	Method	TBLASTX:Soybean
Start	2520	End	2881
GI	none	Score	172
Exons	2520..2711, 2573..2719, 2764..2871, 2765..2881		

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103322	Strand	
Start	1856	End	2936
Name	OJ991112_04.0421.C36.o1.tw	Method	TBLASTX:Wheat
Start	2550	End	2936
GI	none	Score	213
Exons	2550..2765, 2573..2764, 2765..2872, 2883..2936		

Seq. No.	48521	Seq. ID	OJ991112_04.0421.C36
Gene No.	103322	Strand	
Start	1856	End	2936
Name	OJ991112_04.0421.C36.o2.tm	Method	TBLASTX:Maize
Start	2682	End	2872
GI	none	Score	102
Exons	2682..2765, 2684..2761, 2764..2871, 2765..2872		

Seq. No.	48522	Seq. ID	OJ991112_04.0421.C37
Gene No.	103323	Strand	+
Start	351	End	514
Name	OJ991112_04.0421.C37.o1.gs	Method	GENSCAN
Start	351	End	514
GI	none	Score	.54
Exons	351..415, 461..514		

Seq. No.	48523	Seq. ID	OJ991112_04.0421.C38
Gene No.	103324	Strand	+
Start	159	End	679

Name	OJ991112_04.0421.C38.o1.gs	Method	GENSCAN
Start	159	End	679
GI	none	Score	.42
Exons	159..296, 374..679		

Seq. No.	48523	Seq. ID	OJ991112_04.0421.C38
Gene No.	103325	Strand	-
Start	66	End	590
Name	OJ991112_04.0421.C38.o1.np	Method	AAT/NAP
Start	66	End	590
GI	6735343	Score	201
Exons	66..590		
GI Descrip.	(AL137081) putative protein [Arabidopsis thaliana]		

Seq. No.	48524	Seq. ID	OJ991112_04.0421.C41
Gene No.	103326	Strand	+
Start	222	End	2375
Name	OJ991112_04.0421.C41.o1.gs	Method	GENSCAN
Start	222	End	2326
GI	none	Score	.51
Exons	222..293, 341..431, 502..1478, 1496..1713, 2006..2326		

Seq. No.	48524	Seq. ID	OJ991112_04.0421.C41
Gene No.	103326	Strand	+
Start	222	End	2375
Name	OJ991112_04.0421.C41.o1.np	Method	AAT/NAP
Start	504	End	2375
GI	7228457	Score	2802
Exons	504..1889, 1953..2375		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48524	Seq. ID	OJ991112_04.0421.C41
Gene No.	103326	Strand	+
Start	222	End	2375
Name	OJ991112_04.0421.C41.o2.tw	Method	TBLASTX:Wheat
Start	1310	End	1708
GI	none	Score	124
Exons	1310..1483, 1311..1472, 1504..1707, 1505..1708		

Seq. No.	48524	Seq. ID	OJ991112_04.0421.C41
Gene No.	103326	Strand	+
Start	222	End	2375
Name	OJ991112_04.0421.C41.o1.tw	Method	TBLASTX:Wheat
Start	1961	End	2375
GI	none	Score	516
Exons	1961..2362, 1962..2369, 1962..2375		

Seq. No.	48524	Seq. ID	OJ991112_04.0421.C41
Gene No.	103326	Strand	+
Start	222	End	2375
Name	OJ991112_04.0421.C41.o1.ts	Method	TBLASTX:Soybean
Start	2010	End	2366
GI	none	Score	102
Exons	2010..2225, 2232..2366		

Seq. No.	48524	Seq. ID	OJ991112_04.0421.C41
Gene No.	103326	Strand	+
Start	222	End	2375
Name	OJ991112_04.0421.C41.o1.tm	Method	TBLASTX:Maize
Start	2091	End	2375
GI	none	Score	311
Exons	2091..2375, 2126..2374		

Seq. No.	48525	Seq. ID	OJ991112_04.0421.C42
Gene No.	103327	Strand	+
Start	1	End	788
Name	OJ991112_04.0421.C42.o1.np	Method	AAT/NAP
Start	1	End	788
GI	6498441	Score	1106
Exons	1..788		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	48525	Seq. ID	OJ991112_04.0421.C42
Gene No.	103327	Strand	+
Start	1	End	788
Name	OJ991112_04.0421.C42.o2.np	Method	AAT/NAP
Start	1	End	788
GI	4115365	Score	167
Exons	1..233, 546..788		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	48525	Seq. ID	OJ991112_04.0421.C42
Gene No.	103327	Strand	+
Start	1	End	788
Name	OJ991112_04.0421.C42.o1.gs	Method	GENSCAN
Start	409	End	743
GI	none	Score	.58
Exons	409..560, 586..743		

Seq. No.	48525	Seq. ID	OJ991112_04.0421.C42
Gene No.	103327	Strand	+
Start	1	End	788
Name	OJ991112_04.0421.C42.o1.tw	Method	TBLASTX:Wheat
Start	501	End	754
GI	none	Score	57
Exons	501..587, 581..754, 626..703, 628..750		

Seq. No.	48526	Seq. ID	OJ991112_04.0421.C45
Gene No.	103328	Strand	-
Start	242	End	763
Name	OJ991112_04.0421.C45.o1.gp	Method	AAT/GAP
Start	242	End	763
GI	3004_1.R1084	Score	855
Exons	242..763		
GI Descrip.	'4508079/gb|AAD21423.1| 1.0e-46 (AC005882) 66284 [Arabidopsis thaliana]'		

Seq. No.	48526	Seq. ID	OJ991112_04.0421.C45
Gene No.	103328	Strand	-

Start	242	End	763
Name	OJ991112_04.0421.C45.o1.tm	Method	TBLASTX:Maize
Start	340	End	753
GI	none	Score	275
Exons	340..546, 366..587, 367..588, 371..589, 559..651, 578..751, 579..752, 697..753		

Seq. No.	48526	Seq. ID	OJ991112_04.0421.C45
Gene No.	103328	Strand	-
Start	242	End	763
Name	OJ991112_04.0421.C45.o1.np	Method	AAT/NAP
Start	351	End	763
GI	4508079	Score	504
Exons	351..763		
GI Descrip.	(AC005882) 66284 [Arabidopsis thaliana]		

Seq. No.	48526	Seq. ID	OJ991112_04.0421.C45
Gene No.	103328	Strand	-
Start	242	End	763
Name	OJ991112_04.0421.C45.o1.gs	Method	GENSCAN
Start	352	End	748
GI	none	Score	.7
Exons	352..677, 716..748		

Seq. No.	48526	Seq. ID	OJ991112_04.0421.C45
Gene No.	103328	Strand	-
Start	242	End	763
Name	OJ991112_04.0421.C45.o1.ts	Method	TBLASTX:Soybean
Start	471	End	751
GI	none	Score	109
Exons	471..587, 481..588, 525..746, 527..598, 540..743, 578..751		

Seq. No.	48527	Seq. ID	OJ991112_04.0421.C46
Gene No.	103329	Strand	+
Start	145	End	1498
Name	OJ991112_04.0421.C46.o1.gs	Method	GENSCAN
Start	145	End	1498
GI	none	Score	.78
Exons	145..159, 813..941, 1277..1498		

Seq. No.	48528	Seq. ID	OJ991112_04.0421.C48
Gene No.	103330	Strand	-
Start	403	End	1766
Name	OJ991112_04.0421.C48.o1.gs	Method	GENSCAN
Start	403	End	1766
GI	none	Score	.76
Exons	403..416, 1183..1329, 1547..1766		

Seq. No.	48529	Seq. ID	OJ991112_04.0421.C49
Gene No.	103331	Strand	-
Start	549	End	1749
Name	OJ991112_04.0421.C49.o1.gs	Method	GENSCAN
Start	549	End	1749
GI	none	Score	.81
Exons	549..698, 1699..1749		

Seq. No.	48530	Seq. ID	OJ991112_04.0421.C51

Gene No.	103332	Strand	-
Start	1	End	788
Name	OJ991112_04.0421.C51.o1.np	Method	AAT/NAP
Start	1	End	788
GI	7444451	Score	521
Exons	1..788		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	48530	Seq. ID	OJ991112_04.0421.C51
Gene No.	103332	Strand	-
Start	1	End	788
Name	OJ991112_04.0421.C51.o1.tw	Method	TBLASTX:Wheat
Start	39	End	318
GI	none	Score	124
Exons	39..80, 64..318, 65..283		

Seq. No.	48530	Seq. ID	OJ991112_04.0421.C51
Gene No.	103332	Strand	-
Start	1	End	788
Name	OJ991112_04.0421.C51.o1.tm	Method	TBLASTX:Maize
Start	157	End	420
GI	none	Score	64
Exons	157..300, 169..300, 316..420		

Seq. No.	48530	Seq. ID	OJ991112_04.0421.C51
Gene No.	103332	Strand	-
Start	1	End	788
Name	OJ991112_04.0421.C51.o1.gs	Method	GENSCAN
Start	159	End	576
GI	none	Score	.64
Exons	159..576		

Seq. No.	48531	Seq. ID	OJ991112_04.0421.C55
Gene No.	103333	Strand	-
Start	1	End	760
Name	OJ991112_04.0421.C55.o1.np	Method	AAT/NAP
Start	1	End	760
GI	7228456	Score	531
Exons	1..760		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	48532	Seq. ID	OJ991112_04.0421.C57
Gene No.	103334	Strand	-
Start	56	End	776
Name	OJ991112_04.0421.C57.o1.gs	Method	GENSCAN
Start	56	End	776
GI	none	Score	.85
Exons	56..247, 360..410, 692..776		

Seq. No.	48533	Seq. ID	OJ991112_04.0421.C58
Gene No.	103335	Strand	+
Start	160	End	633
Name	OJ991112_04.0421.C58.o1.gs	Method	GENSCAN
Start	160	End	633
GI	none	Score	.75

Exons	160..633		
Seq. No.	48534	Seq. ID	OJ991112_04.0421.C60
Gene No.	103336	Strand	+
Start	1	End	1269
Name	OJ991112_04.0421.C60.o1.np	Method	AAT/NAP
Start	1	End	1269
GI	7489737	Score	412
Exons	1..1269		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi|3645898|gb|AAC49501.1| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		
Seq. No.	48534	Seq. ID	OJ991112_04.0421.C60
Gene No.	103336	Strand	+
Start	1	End	1269
Name	OJ991112_04.0421.C60.o1.gs	Method	GENSCAN
Start	67	End	1252
GI	none	Score	.63
Exons	67..373, 445..755, 1048..1252		
Seq. No.	48534	Seq. ID	OJ991112_04.0421.C60
Gene No.	103336	Strand	+
Start	1	End	1269
Name	OJ991112_04.0421.C60.o1.tm	Method	TBLASTX:Maize
Start	325	End	725
GI	none	Score	74
Exons	325..435, 438..725, 465..575		
Seq. No.	48535	Seq. ID	OJ991112_04.0421.C61
Gene No.	103337	Strand	+
Start	1	End	204
Name	OJ991112_04.0421.C61.o1.np	Method	AAT/NAP
Start	1	End	204
GI	7445540	Score	208
Exons	1..204		
GI Descrip.	aldose 1-epimerase homolog T23J7.130 - Arabidopsis thaliana gi|4741197|emb|CAB41863.1| (AL049746) aldose 1-epimerase-like protein [Arabidopsis thaliana]		
Seq. No.	48535	Seq. ID	OJ991112_04.0421.C61
Gene No.	103337	Strand	+
Start	1	End	204
Name	OJ991112_04.0421.C61.o1.gs	Method	GENSCAN
Start	52	End	204
GI	none	Score	.95
Exons	52..204		
Seq. No.	48535	Seq. ID	OJ991112_04.0421.C61
Gene No.	103338	Strand	-
Start	1212	End	1652
Name	OJ991112_04.0421.C61.o1.tm	Method	TBLASTX:Maize
Start	1	End	201
GI	none	Score	52
Exons	1..36, 1..36, 87..197, 88..201		
Seq. No.	48535	Seq. ID	OJ991112_04.0421.C61

Gene No.	103338	Strand	-
Start	1212	End	1652
Name	OJ991112_04.0421.C61.o1.tw	Method	TBLASTX:Wheat
Start	1	End	206
GI	none	Score	52
Exons	1..36, 3..35, 87..206, 91..204		

Seq. No.	48535	Seq. ID	OJ991112_04.0421.C61
Gene No.	103338	Strand	-
Start	1212	End	1652
Name	OJ991112_04.0421.C61.o2.gs	Method	GENSCAN
Start	1212	End	1652
GI	none	Score	.82
Exons	1212..1306, 1502..1652		

Seq. No.	48536	Seq. ID	OJ991112_04.0421.C62
Gene No.	103339	Strand	+
Start	101	End	120
Name	OJ991112_04.0421.C62.o1.gs	Method	GENSCAN
Start	101	End	120
GI	none	Score	.45
Exons	101..120		

Seq. No.	48536	Seq. ID	OJ991112_04.0421.C62
Gene No.	103340	Strand	-
Start	260	End	481
Name	OJ991112_04.0421.C62.o2.gs	Method	GENSCAN
Start	260	End	481
GI	none	Score	.47
Exons	260..376, 440..481		

Seq. No.	48537	Seq. ID	OJ991112_04.0421.C63
Gene No.	103341	Strand	-
Start	62	End	632
Name	OJ991112_04.0421.C63.o1.ts	Method	TBLASTX:Soybean
Start	6	End	287
GI	none	Score	210
Exons	6..287		

Seq. No.	48537	Seq. ID	OJ991112_04.0421.C63
Gene No.	103341	Strand	-
Start	62	End	632
Name	OJ991112_04.0421.C63.o1.tm	Method	TBLASTX:Maize
Start	60	End	437
GI	none	Score	208
Exons	60..437		

Seq. No.	48537	Seq. ID	OJ991112_04.0421.C63
Gene No.	103341	Strand	-
Start	62	End	632
Name	OJ991112_04.0421.C63.o1.tw	Method	TBLASTX:Wheat
Start	60	End	362
GI	none	Score	169
Exons	60..362		

Seq. No.	48537	Seq. ID	OJ991112_04.0421.C63
Gene No.	103341	Strand	-

Start	62	End	632
Name	OJ991112_04.0421.C63.o1.gs	Method	GENSCAN
Start	62	End	632
GI	none	Score	.63
Exons	62..632		

Seq. No.	48538	Seq. ID	OJ991112_04.0421.C66
Gene No.	103342	Strand	+
Start	619	End	1261
Name	OJ991112_04.0421.C66.o1.gp	Method	AAT/GAP
Start	619	End	1261
GI	4813_2.R1084	Score	1186
Exons	619..1261		
GI Descrip.	'4586107/emb|CAB40943.1| 1.0e-26 (AL049638) putative disease resistance protein [Arabidopsis thaliana]'		

Seq. No.	48538	Seq. ID	OJ991112_04.0421.C66
Gene No.	103343	Strand	-
Start	628	End	3544
Name	OJ991112_04.0421.C66.o2.tm	Method	TBLASTX:Maize
Start	613	End	975
GI	none	Score	107
Exons	613..699, 620..697, 621..725, 694..723, 698..727, 735..788, 741..788, 746..790, 792..890, 793..882, 819..974, 856..975		

Seq. No.	48538	Seq. ID	OJ991112_04.0421.C66
Gene No.	103343	Strand	-
Start	628	End	3544
Name	OJ991112_04.0421.C66.o2.gs	Method	GENSCAN
Start	628	End	2513
GI	none	Score	.66
Exons	628..780, 813..2260, 2360..2513		

Seq. No.	48538	Seq. ID	OJ991112_04.0421.C66
Gene No.	103343	Strand	-
Start	628	End	3544
Name	OJ991112_04.0421.C66.o1.np	Method	AAT/NAP
Start	629	End	3544
GI	6692098	Score	1132
Exons	629..892, 964..1925, 3506..3544		
GI Descrip.	(AC007764) F22C12.10 [Arabidopsis thaliana]		

Seq. No.	48538	Seq. ID	OJ991112_04.0421.C66
Gene No.	103343	Strand	-
Start	628	End	3544
Name	OJ991112_04.0421.C66.o1.ts	Method	TBLASTX:Soybean
Start	912	End	1806
GI	none	Score	41
Exons	912..1022, 975..1052, 975..1052, 975..1052, 976..1053, 982..1014, 987..1784, 1030..1089, 1036..1089, 1036..1089, 1036..1089, 1036..1089, 1062..1454, 1132..1209, 1132..1251, 1138..1551, 1141..1233, 1156..1251, 1171..1299, 1186..1251, 1204..1476, 1260..1445, 1261..1401, 1261..1554, 1261..1548, 1261..1473, 1273..1548, 1335..1805, 1336..1554, 1348..1518, 1439..1675, 1509..1559, 1594..1782, 1594..1800, 1594..1785, 1597..1773, 1612..1806, 1612..1806, 1647..1805, 1648..1800, 1651..1800, 1657..1677, 1723..1806, 1732..1806		

Seq. No.	48538	Seq. ID	OJ991112_04.0421.C66
Gene No.	103343	Strand	-
Start	628	End	3544
Name	OJ991112_04.0421.C66.o1.tc	Method	TBLASTX:Cress
Start	975	End	1806
GI	none	Score	59
Exons	975..1052, 975..1052, 975..1052, 975..1052, 975..1025, 975..1052, 1029..1805, 1030..1083, 1036..1089, 1036..1089, 1039..1176, 1039..1089, 1062..1523, 1132..1551, 1132..1245, 1141..1233, 1141..1218, 1260..1673, 1261..1350, 1261..1554, 1261..1554, 1261..1404, 1270..1500, 1273..1485, 1273..1554, 1281..1490, 1292..1768, 1336..1554, 1346..1510, 1348..1518, 1435..1548, 1583..1777, 1594..1800, 1594..1746, 1594..1773, 1597..1800, 1597..1773, 1617..1805, 1636..1800, 1645..1806		

Seq. No.	48538	Seq. ID	OJ991112_04.0421.C66
Gene No.	103343	Strand	-
Start	628	End	3544
Name	OJ991112_04.0421.C66.o1.tm	Method	TBLASTX:Maize
Start	975	End	2513
GI	none	Score	37
Exons	975..1052, 975..1025, 975..1025, 975..1052, 976..1053, 976..1053, 1038..1169, 1038..1148, 1038..1121, 1044..1220, 1053..1250, 1074..1196, 1132..1251, 1141..1221, 1156..1251, 1161..1250, 1255..1278, 1260..1451, 1260..1412, 1261..1380, 1272..1355, 1273..1356, 1279..1452, 1285..1515, 1287..1553, 1293..1430, 1312..1425, 1360..1554, 1362..1658, 1383..1505, 1409..1528, 1435..1557, 1437..1703, 1439..1678, 1452..1580, 1462..1554, 1512..1778, 1533..1655, 1587..1805, 1608..1730, 1612..1800, 1615..1779, 1618..1713, 1660..1788, 1671..1829, 1680..1829, 1681..1857, 1822..1920, 1831..1935, 1833..1937, 1932..2231, 2010..2210, 2017..2217, 2257..2427, 2258..2428, 2262..2429, 2262..2435, 2421..2513, 2425..2511		

Seq. No.	48538	Seq. ID	OJ991112_04.0421.C66
Gene No.	103343	Strand	-
Start	628	End	3544
Name	OJ991112_04.0421.C66.o2.gp	Method	AAT/GAP
Start	2499	End	2830
GI	none	Score	626
Exons	2499..2830		

Seq. No.	48538	Seq. ID	OJ991112_04.0421.C66
Gene No.	103343	Strand	-
Start	628	End	3544
Name	OJ991112_04.0421.C66.o3.tm	Method	TBLASTX:Maize
Start	2581	End	2801
GI	none	Score	209
Exons	2581..2781, 2582..2794, 2588..2794, 2589..2801		

Seq. No.	48539	Seq. ID	OJ991112_04.0421.C67
Gene No.	103344	Strand	+
Start	527	End	680
Name	OJ991112_04.0421.C67.o1.gp	Method	AAT/GAP
Start	527	End	680
GI	none	Score	279

Exons	527..680		
Seq. No.	48539	Seq. ID	OJ991112_04.0421.C67
Gene No.	103345	Strand	-
Start	5879	End	7412
Name	OJ991112_04.0421.C67.o2.gs	Method	GENSCAN
Start	5879	End	7412
GI	none	Score	.58
Exons	5879..5982, 7218..7267, 7288..7412		
Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103346	Strand	+
Start	8603	End	13331
Name	OJ991112_04.0421.C68.o1.gp	Method	AAT/GAP
Start	8392	End	10253
GI	uC-osrocyp016g01b1	Score	947
Exons	8392..8705, 9936..10068, 10161..10253		
GI Descrip.	'5091623/gb|AAD39611.1|AC007454_10 9.0e-27 (AC007454) Similar to gb_U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF_00560 Leucine Rich Repeat domains and a PF_00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]'		
Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103346	Strand	+
Start	8603	End	13331
Name	OJ991112_04.0421.C68.o3.gs	Method	GENSCAN
Start	8603	End	13228
GI	none	Score	.73
Exons	8603..8705, 8997..9029, 9936..10068, 10161..10232, 10443..10586, 11050..11162, 11282..11410, 11491..11682, 12232..12557, 12917..13228		
Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103346	Strand	+
Start	8603	End	13331
Name	OJ991112_04.0421.C68.o1.np	Method	AAT/NAP
Start	9841	End	13225
GI	5091623	Score	2359
Exons	9841..10068, 10161..10232, 10443..10586, 10710..10781, 10897..10968, 11050..11152, 11269..11410, 11491..11832, 12162..12557, 12917..13225		
GI Descrip.	(AC007454) Similar to gb|U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF|00560 Leucine Rich Repeat domains and a PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		
Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103346	Strand	+
Start	8603	End	13331
Name	OJ991112_04.0421.C68.o2.gp	Method	AAT/GAP
Start	11284	End	11773
GI	LIB3432-051-P1-K1-B5	Score	746
Exons	11284..11410, 11491..11773		
GI Descrip.	'4490310/emb|CAB38801.1| 2.0e-50 (AL035678) somatic embryogenesis receptor-like kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103346	Strand	+
Start	8603	End	13331
Name	OJ991112_04.0421.C68.o3.gp	Method	AAT/GAP
Start	12284	End	13331
GI	6421_1.R1084	Score	1276
Exons	12284..12557, 12917..13331		
GI Descrip.	'5091623/gb|AAD39611.1|AC007454_10 7.0e-90 (AC007454) Similar to gb_U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF_00560 Leucine Rich Repeat domains and a PF_00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]'		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103347	Strand	+
Start	17737	End	25573
Name	OJ991112_04.0421.C68.o5.gs	Method	GENSCAN
Start	17737	End	25078
GI	none	Score	.65
Exons	17737..17785, 20264..20604, 23142..23657, 23838..24073, 24208..24472, 24609..24746, 24857..25078		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103347	Strand	+
Start	17737	End	25573
Name	OJ991112_04.0421.C68.o4.np	Method	AAT/NAP
Start	20281	End	25075
GI	7433816	Score	1740
Exons	20281..20619, 23142..23657, 23838..24073, 24208..24472, 24609..24746, 24857..25075		
GI Descrip.	probable gamma-glutamyltransferase (EC 2.3.2.2) T19P19.30 - Arabidopsis thaliana gi|3080433|emb|CAA18750.1| (AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana] gi|7270948|emb|CAB80627.1| (AL161595) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103347	Strand	+
Start	17737	End	25573
Name	OJ991112_04.0421.C68.o5.gp	Method	AAT/GAP
Start	23429	End	24066
GI	25020_1.R1084	Score	881
Exons	23429..23657, 23838..24066		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103347	Strand	+
Start	17737	End	25573
Name	OJ991112_04.0421.C68.o6.gp	Method	AAT/GAP
Start	24927	End	25573
GI	5455327	Score	1192
Exons	24927..25573		
GI Descrip.	4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp.		

indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103348	Strand	-
Start	13362	End	13546
Name	OJ991112_04.0421.C68.o4.gp	Method	AAT/GAP
Start	13362	End	13546
GI	none	Score	342
Exons	13362..13546		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103349	Strand	-
Start	14255	End	14929
Name	OJ991112_04.0421.C68.o4.gs	Method	GENSCAN
Start	14255	End	14929
GI	none	Score	.68
Exons	14255..14751, 14845..14929		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103350	Strand	-
Start	16423	End	16589
Name	OJ991112_04.0421.C68.o3.np	Method	AAT/NAP
Start	16423	End	16589
GI	5902376	Score	120
Exons	16423..16589		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o2.tw	Method	TBLASTX:Wheat
Start	9917	End	10782
GI	none	Score	179
Exons	9917..10045, 9934..10059, 9947..10090, 10156..10254, 10438..10587, 10444..10599, 10690..10782		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o5.tm	Method	TBLASTX:Maize
Start	9920	End	10968
GI	none	Score	201
Exons	9920..10057, 9928..10068, 9933..10067, 9935..10084, 9982..10077, 10156..10254, 10156..10245, 10161..10250, 10438..10587, 10443..10655, 10462..10608, 10467..10586, 10711..10782, 10712..10750, 10731..10781, 10897..10968, 10898..10966		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o4.tc	Method	TBLASTX:Cress
Start	9927	End	10782
GI	none	Score	193
Exons	9927..10058, 9934..10068, 9935..10054, 9935..10081, 10155..10274, 10156..10254, 10438..10587, 10444..10599,		

10467..10562, 10711..10782

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o7.ts	Method	TBLASTX:Soybean
Start	9934	End	10188
GI	none	Score	191
Exons	9934..10068, 9935..10054, 9947..10081, 10156..10188		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o3.ts	Method	TBLASTX:Soybean
Start	10192	End	11086
GI	none	Score	72
Exons	10192..10254, 10438..10587, 10438..10554, 10467..10586, 10690..10782, 10715..10762, 10753..10785, 10897..10968, 10898..10966, 11032..11085, 11033..11086		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o1.tm	Method	TBLASTX:Maize
Start	11048	End	12565
GI	none	Score	69
Exons	11048..11092, 11071..11163, 11263..11409, 11332..11409, 11470..11634, 11489..11824, 11490..11831, 11510..11833, 12142..12201, 12161..12220, 12207..12560, 12210..12560, 12389..12565, 12454..12564		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o1.ts	Method	TBLASTX:Soybean
Start	11280	End	12967
GI	none	Score	94
Exons	11280..11408, 11330..11410, 11332..11421, 11359..11409, 11489..11830, 11490..11831, 11516..11833, 11914..11955, 12142..12219, 12161..12220, 12196..12540, 12197..12541, 12207..12545, 12210..12548, 12389..12586, 12917..12967, 12917..12961		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o2.tc	Method	TBLASTX:Cress
Start	11457	End	12485
GI	none	Score	421
Exons	11457..11831, 11503..11718, 11504..11824, 12209..12298, 12210..12485, 12240..12485		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o1.tw	Method	TBLASTX:Wheat
Start	12177	End	12503

GI	none	Score	280
Exons	12177..12503, 12240..12497		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o3.tc	Method	TBLASTX:Cress
Start	12486	End	13143
GI	none	Score	124
Exons	12486..12560, 12488..12562, 12496..12558, 12917..13132, 12982..13143		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o2.tm	Method	TBLASTX:Maize
Start	12917	End	13228
GI	none	Score	473
Exons	12917..13228, 12917..12961, 12982..13227, 13166..13228		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o3.tw	Method	TBLASTX:Wheat
Start	12917	End	13228
GI	none	Score	202
Exons	12917..13129, 12991..13128, 13163..13228		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o4.ts	Method	TBLASTX:Soybean
Start	12968	End	13246
GI	none	Score	283
Exons	12968..13168, 12970..13158, 13163..13246, 13168..13227		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o1.tc	Method	TBLASTX:Cress
Start	20385	End	25078
GI	none	Score	65
Exons	20385..20417, 20386..20484, 20481..20519, 20508..20597, 20527..20604, 23136..23339, 23139..23660, 23144..23659, 23889..24071, 23891..24076, 24205..24411, 24209..24364, 24394..24474, 24416..24472, 24608..24733, 24609..24752, 24854..25027, 24856..24987, 25028..25078, 25033..25071		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o3.tm	Method	TBLASTX:Maize
Start	23180	End	23573
GI	none	Score	470
Exons	23180..23566, 23181..23573, 23307..23573		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68

Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o2.ts	Method	TBLASTX:Soybean
Start	23229	End	24075
GI	none	Score	80
Exons	23229..23291, 23289..23669, 23294..23638, 23828..24028, 23838..24029, 24018..24074, 24034..24075		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o6.tm	Method	TBLASTX:Maize
Start	23978	End	24321
GI	none	Score	160
Exons	23978..24076, 23979..24074, 23985..24086, 24205..24318, 24205..24321, 24206..24319		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o6.ts	Method	TBLASTX:Soybean
Start	24205	End	24472
GI	none	Score	180
Exons	24205..24465, 24206..24364, 24416..24472		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o4.tm	Method	TBLASTX:Maize
Start	24358	End	25092
GI	none	Score	64
Exons	24358..24459, 24361..24474, 24589..24750, 24600..24752, 24608..24751, 24640..24753, 24847..24960, 24854..24961, 24854..24982, 24959..25075, 24962..25084, 24967..25092		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o5.ts	Method	TBLASTX:Soybean
Start	24594	End	25069
GI	none	Score	123
Exons	24594..24752, 24606..24746, 24854..25015, 24856..24906, 25016..25069, 25021..25068		

Seq. No.	48540	Seq. ID	OJ991112_04.0421.C68
Gene No.	103351	Strand	-
Start	25803	End	26147
Name	OJ991112_04.0421.C68.o6.gs	Method	GENSCAN
Start	25803	End	26147
GI	none	Score	.71
Exons	25803..25831, 26015..26147		

Seq. No.	48541	Seq. ID	OJ991112_04.0421.C69
Gene No.	103352	Strand	+
Start	1	End	2059
Name	OJ991112_04.0421.C69.o1.gp	Method	AAT/GAP
Start	1	End	416

GI	2429055	Score	805
Exons	1..416		

Seq. No.	48541	Seq. ID	OJ991112_04.0421.C69
Gene No.	103352	Strand	+
Start	1	End	2059
Name	OJ991112_04.0421.C69.o1.gs	Method	GENSCAN
Start	30	End	2059
GI	none	Score	.44
Exons	30..196, 1447..1633, 1887..1949, 2033..2059		

Seq. No.	48541	Seq. ID	OJ991112_04.0421.C69
Gene No.	103353	Strand	-
Start	2696	End	2797
Name	OJ991112_04.0421.C69.o2.gs	Method	GENSCAN
Start	2696	End	2797
GI	none	Score	.9
Exons	2696..2797		

Seq. No.	48541	Seq. ID	OJ991112_04.0421.C69
Gene No.	103354	Strand	-
Start	2724	End	3044
Name	OJ991112_04.0421.C69.o1.np	Method	AAT/NAP
Start	2724	End	3044
GI	6815050	Score	85
Exons	2724..2883, 2982..3044		
GI Descrip.	(AP000616) ESTs AU078644(E0685),C72841(E2351),AU078645(E0685), AU030746(E60179) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F11O4; similar to Medicago truncatula MtN21 (AF096370) [Oryza ...		

Seq. No.	48542	Seq. ID	OJ991112_04.0421.C70
Gene No.	103355	Strand	-
Start	1	End	1509
Name	OJ991112_04.0421.C70.o1.np	Method	AAT/NAP
Start	1	End	1509
GI	6069664	Score	425
Exons	1..328, 680..794, 942..1006, 1337..1509		
GI Descrip.	(AP000616) ESTs AU055729(S20023),AU055730(S20023) correspond to a region of the predicted gene.; similar to Medicago nodulin N21-like protein (AC004218) [Oryza sativa]		

Seq. No.	48542	Seq. ID	OJ991112_04.0421.C70
Gene No.	103355	Strand	-
Start	1	End	1509
Name	OJ991112_04.0421.C70.o1.tm	Method	TBLASTX:Maize
Start	17	End	318
GI	none	Score	62
Exons	17..118, 19..117, 205..318, 206..316		

Seq. No.	48542	Seq. ID	OJ991112_04.0421.C70
Gene No.	103355	Strand	-
Start	1	End	1509
Name	OJ991112_04.0421.C70.o1.gs	Method	GENSCAN
Start	119	End	1482
GI	none	Score	.56
Exons	119..231, 973..1006, 1337..1482		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103356	Strand	+
Start	5216	End	6453
Name	OJ991112_04.0421.C71.o2.gs	Method	GENSCAN
Start	5216	End	6453
GI	none	Score	.74
Exons	5216..5277, 5509..5683, 6379..6453		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103357	Strand	+
Start	7993	End	12303
Name	OJ991112_04.0421.C71.o3.gs	Method	GENSCAN
Start	7993	End	11987
GI	none	Score	.68
Exons	7993..8263, 9311..9470, 9810..9896, 10411..10436, 11170..11987		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103357	Strand	+
Start	7993	End	12303
Name	OJ991112_04.0421.C71.o1.gp	Method	AAT/GAP
Start	11059	End	12303
GI	1550_2.R1084	Score	2104
Exons	11059..11328, 11438..12303		
GI Descrip.	'733458 1.0e-107 (U23190) chlorophyll a/b-binding apoprotein CP24 precursor [Zea mays]'		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103357	Strand	+
Start	7993	End	12303
Name	OJ991112_04.0421.C71.o1.np	Method	AAT/NAP
Start	11136	End	11984
GI	7443235	Score	1025
Exons	11136..11328, 11438..11984		
GI Descrip.	chlorophyll a/b-binding apoprotein CP24 precursor - maize gi|733458|gb|AAA64416.1| (U23190) chlorophyll a/b-binding apoprotein CP24 precursor [Zea mays]		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103358	Strand	-
Start	11426	End	14239
Name	OJ991112_04.0421.C71.o3.tm	Method	TBLASTX:Maize
Start	7944	End	10193
GI	none	Score	413
Exons	7944..7973, 7945..8265, 7981..8202, 8196..8264, 9309..9470, 9310..9471, 9310..9477, 9314..9487, 9808..10149, 9818..10117, 9826..10146, 9828..10193		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103358	Strand	-
Start	11426	End	14239
Name	OJ991112_04.0421.C71.o4.ts	Method	TBLASTX:Soybean
Start	7945	End	8208
GI	none	Score	219
Exons	7945..8208, 8020..8196		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71

Gene No.	103358	Strand	-
Start	11426	End	14239
Name	OJ991112_04.0421.C71.o3.tc	Method	TBLASTX:Cress
Start	9309	End	10008
GI	none	Score	206
Exons	9309..9476, 9310..9471, 9808..10008		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103358	Strand	-
Start	11426	End	14239
Name	OJ991112_04.0421.C71.o3.ts	Method	TBLASTX:Soybean
Start	9831	End	10071
GI	none	Score	222
Exons	9831..10064, 9832..10071		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103358	Strand	-
Start	11426	End	14239
Name	OJ991112_04.0421.C71.o1.tc	Method	TBLASTX:Cress
Start	11220	End	11987
GI	none	Score	72
Exons	11220..11318, 11433..11987, 11445..11744, 11486..11857		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103358	Strand	-
Start	11426	End	14239
Name	OJ991112_04.0421.C71.o1.ts	Method	TBLASTX:Soybean
Start	11244	End	11990
GI	none	Score	76
Exons	11244..11318, 11433..11990, 11475..11744, 11486..11857, 11948..11989		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103358	Strand	-
Start	11426	End	14239
Name	OJ991112_04.0421.C71.o1.tm	Method	TBLASTX:Maize
Start	11262	End	12013
GI	none	Score	95
Exons	11262..11318, 11264..11314, 11265..11318, 11433..11987, 11433..11744, 11486..11857, 11841..11939, 11948..12013		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103358	Strand	-
Start	11426	End	14239
Name	OJ991112_04.0421.C71.o2.np	Method	AAT/NAP
Start	11426	End	14239
GI	2224927	Score	626
Exons	11426..11487, 13289..13999, 14033..14239		
GI Descrip.	(AF004213) ethylene-insensitive3-like1 [Arabidopsis thaliana]		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103358	Strand	-
Start	11426	End	14239
Name	OJ991112_04.0421.C71.o1.tw	Method	TBLASTX:Wheat
Start	11442	End	11948
GI	none	Score	91
Exons	11442..11582, 11502..11681, 11507..11638, 11789..11833,		

11790..11834, 11856..11936, 11859..11948

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103358	Strand	-
Start	11426	End	14239
Name	OJ991112_04.0421.C71.o2.tm	Method	TBLASTX:Maize
Start	13293	End	13935
GI	none	Score	85
Exons	13293..13436, 13305..13442, 13306..13446, 13443..13574, 13444..13512, 13500..13682, 13603..13671, 13740..13934, 13744..13935		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103358	Strand	-
Start	11426	End	14239
Name	OJ991112_04.0421.C71.o2.ts	Method	TBLASTX:Soybean
Start	13293	End	14084
GI	none	Score	99
Exons	13293..13436, 13299..13442, 13309..13443, 13443..13574, 13444..13509, 13500..13682, 13609..13683, 13740..13934, 13744..13929, 14034..14084		

Seq. No.	48543	Seq. ID	OJ991112_04.0421.C71
Gene No.	103358	Strand	-
Start	11426	End	14239
Name	OJ991112_04.0421.C71.o2.tc	Method	TBLASTX:Cress
Start	13299	End	14084
GI	none	Score	100
Exons	13299..13442, 13300..13443, 13443..13571, 13500..13682, 13606..13683, 13740..13934, 13744..13929, 14034..14084		

Seq. No.	48544	Seq. ID	OJ991112_04.0421.C72
Gene No.	103359	Strand	+
Start	498	End	1057
Name	OJ991112_04.0421.C72.o1.gs	Method	GENSCAN
Start	498	End	1057
GI	none	Score	.76
Exons	498..591, 859..1057		

Seq. No.	48544	Seq. ID	OJ991112_04.0421.C72
Gene No.	103360	Strand	-
Start	717	End	1171
Name	OJ991112_04.0421.C72.o1.gp	Method	AAT/GAP
Start	717	End	1171
GI	LIB3434-025-P1-K1-D11	Score	834
Exons	717..1171		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48545	Seq. ID	OJ991112_04.0421.C73
Gene No.	103361	Strand	-
Start	229	End	1325
Name	OJ991112_04.0421.C73.o1.gp	Method	AAT/GAP
Start	229	End	546
GI	none	Score	542
Exons	229..546		

Seq. No.	48545	Seq. ID	OJ991112_04.0421.C73
Gene No.	103361	Strand	-
Start	229	End	1325
Name	OJ991112_04.0421.C73.o1.np	Method	AAT/NAP
Start	443	End	1325
GI	7487209	Score	426
Exons	443..935, 1273..1325		
GI Descrip.	hypothetical protein T19P19.120 - Arabidopsis thaliana gi|3080442|emb|CAA18759.1| (AL022605) putative protein [Arabidopsis thaliana] gi|7270957|emb|CAB80636.1| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	48545	Seq. ID	OJ991112_04.0421.C73
Gene No.	103361	Strand	-
Start	229	End	1325
Name	OJ991112_04.0421.C73.o1.gs	Method	GENSCAN
Start	449	End	1121
GI	none	Score	.96
Exons	449..982, 1074..1121		

Seq. No.	48545	Seq. ID	OJ991112_04.0421.C73
Gene No.	103361	Strand	-
Start	229	End	1325
Name	OJ991112_04.0421.C73.o1.tc	Method	TBLASTX:Cress
Start	509	End	928
GI	none	Score	139
Exons	509..928, 537..725, 810..914		

Seq. No.	48545	Seq. ID	OJ991112_04.0421.C73
Gene No.	103361	Strand	-
Start	229	End	1325
Name	OJ991112_04.0421.C73.o1.ts	Method	TBLASTX:Soybean
Start	509	End	907
GI	none	Score	159
Exons	509..907, 540..725, 810..896		

Seq. No.	48545	Seq. ID	OJ991112_04.0421.C73
Gene No.	103361	Strand	-
Start	229	End	1325
Name	OJ991112_04.0421.C73.o1.tm	Method	TBLASTX:Maize
Start	509	End	928
GI	none	Score	321
Exons	509..928, 531..725, 785..877, 810..917		

Seq. No.	48545	Seq. ID	OJ991112_04.0421.C73
Gene No.	103361	Strand	-
Start	229	End	1325
Name	OJ991112_04.0421.C73.o2.gp	Method	AAT/GAP
Start	716	End	1206
GI	25519_1.R1084	Score	700
Exons	716..982, 1074..1206		
GI Descrip.	'3080442/emb|CAA18759.1| 1.0e-16 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	48546	Seq. ID	OJ991112_04.0421.C74
Gene No.	103362	Strand	
Start	310	End	461

Name	OJ991112_04.0421.C74.o1.tm	Method	TBLASTX:Maize
Start	310	End	461
GI	none	Score	221
Exons	310..339, 311..460, 347..460, 348..461		

Seq. No.	48547	Seq. ID	OJ991112_04.0421.C75
Gene No.	103363	Strand	+
Start	532	End	1138
Name	OJ991112_04.0421.C75.o1.gp	Method	AAT/GAP
Start	532	End	1138
GI	none	Score	1177
Exons	532..1138		

Seq. No.	48547	Seq. ID	OJ991112_04.0421.C75
Gene No.	103364	Strand	-
Start	413	End	1838
Name	OJ991112_04.0421.C75.o1.gs	Method	GENSCAN
Start	413	End	1838
GI	none	Score	.55
Exons	413..579, 866..970, 1437..1486, 1790..1838		

Seq. No.	48547	Seq. ID	OJ991112_04.0421.C75
Gene No.	103365	Strand	-
Start	2146	End	2900
Name	OJ991112_04.0421.C75.o1.np	Method	AAT/NAP
Start	2146	End	2900
GI	226689	Score	387
Exons	2146..2489, 2864..2900		
GI Descrip.	RNA polymerase beta [Oryza sativa]		

Seq. No.	48547	Seq. ID	OJ991112_04.0421.C75
Gene No.	103365	Strand	-
Start	2146	End	2900
Name	OJ991112_04.0421.C75.o1.tm	Method	TBLASTX:Maize
Start	2172	End	2449
GI	none	Score	315
Exons	2172..2447, 2173..2448, 2182..2448, 2183..2449		

Seq. No.	48547	Seq. ID	OJ991112_04.0421.C75
Gene No.	103365	Strand	-
Start	2146	End	2900
Name	OJ991112_04.0421.C75.o1.tc	Method	TBLASTX:Cress
Start	2258	End	2543
GI	none	Score	104
Exons	2258..2365, 2258..2365, 2268..2375, 2269..2376, 2377..2487, 2378..2491, 2484..2543, 2484..2543		

Seq. No.	48548	Seq. ID	OJ991112_04.0421.C76
Gene No.	103366	Strand	+
Start	2129	End	2214
Name	OJ991112_04.0421.C76.o1.gp	Method	AAT/GAP
Start	2129	End	2214
GI	90742_1.R1084	Score	103
Exons	2129..2214		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	48548	Seq. ID	OJ991112_04.0421.C76
Gene No.	103367	Strand	-
Start	115	End	796
Name	OJ991112_04.0421.C76.o1.np	Method	AAT/NAP
Start	115	End	793
GI	7487209	Score	397
Exons	115..596, 743..793		
GI Descrip.	hypothetical protein T19P19.120 - Arabidopsis thaliana gi|3080442|emb|CAA18759.1| (AL022605) putative protein [Arabidopsis thaliana] gi|7270957|emb|CAB80636.1| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	48548	Seq. ID	OJ991112_04.0421.C76
Gene No.	103367	Strand	-
Start	115	End	796
Name	OJ991112_04.0421.C76.o1.gs	Method	GENSCAN
Start	138	End	796
GI	none	Score	1
Exons	138..650, 737..796		

Seq. No.	48548	Seq. ID	OJ991112_04.0421.C76
Gene No.	103368	Strand	-
Start	1345	End	1980
Name	OJ991112_04.0421.C76.o1.tm	Method	TBLASTX:Maize
Start	162	End	1831
GI	none	Score	84
Exons	162..572, 192..275, 226..399, 429..536, 523..570, 1390..1797, 1408..1782, 1421..1786, 1667..1831		

Seq. No.	48548	Seq. ID	OJ991112_04.0421.C76
Gene No.	103368	Strand	-
Start	1345	End	1980
Name	OJ991112_04.0421.C76.o1.tc	Method	TBLASTX:Cress
Start	166	End	1782
GI	none	Score	143
Exons	166..399, 174..575, 523..567, 1390..1779, 1391..1777, 1591..1782		

Seq. No.	48548	Seq. ID	OJ991112_04.0421.C76
Gene No.	103368	Strand	-
Start	1345	End	1980
Name	OJ991112_04.0421.C76.o1.ts	Method	TBLASTX:Soybean
Start	174	End	1782
GI	none	Score	80
Exons	174..566, 195..287, 226..399, 1390..1779, 1391..1777, 1564..1782, 1565..1780		

Seq. No.	48548	Seq. ID	OJ991112_04.0421.C76
Gene No.	103368	Strand	-
Start	1345	End	1980
Name	OJ991112_04.0421.C76.o1.tw	Method	TBLASTX:Wheat
Start	366	End	1788
GI	none	Score	35
Exons	366..440, 367..399, 480..575, 523..576, 1582..1638, 1583..1639, 1685..1780, 1696..1788, 1697..1780		

Seq. No.	48548	Seq. ID	OJ991112_04.0421.C76
Gene No.	103368	Strand	-

Start	1345	End	1980
Name	OJ991112_04.0421.C76.o2.np	Method	AAT/NAP
Start	1322	End	1895
GI	7487209	Score	397
Exons	1322..1779, 1813..1895		
GI Descrip.	hypothetical protein T19P19.120 - Arabidopsis thaliana gi|3080442|emb|CAA18759.1| (AL022605) putative protein [Arabidopsis thaliana] gi|7270957|emb|CAB80636.1| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	48548	Seq. ID	OJ991112_04.0421.C76
Gene No.	103368	Strand	-
Start	1345	End	1980
Name	OJ991112_04.0421.C76.o2.gs	Method	GENSCAN
Start	1345	End	1980
GI	none	Score	1
Exons	1345..1848, 1930..1980		

Seq. No.	48549	Seq. ID	OJ991112_04.0421.C80
Gene No.	103369	Strand	-
Start	1	End	1232
Name	OJ991112_04.0421.C80.o1.np	Method	AAT/NAP
Start	1	End	1232
GI	7430313	Score	143
Exons	1..93, 515..636, 730..853, 1200..1232		
GI Descrip.	probable aldose 1-epimerase (EC 5.1.3.3) - common tobacco gi|2739168|gb|AAB94619.1| (AF032386) aldose-1-epimerase-like protein [Nicotiana tabacum]		

Seq. No.	48549	Seq. ID	OJ991112_04.0421.C80
Gene No.	103369	Strand	-
Start	1	End	1232
Name	OJ991112_04.0421.C80.o1.tm	Method	TBLASTX:Maize
Start	527	End	853
GI	none	Score	74
Exons	527..574, 528..572, 569..637, 570..626, 704..853, 729..842		

Seq. No.	48549	Seq. ID	OJ991112_04.0421.C80
Gene No.	103369	Strand	-
Start	1	End	1232
Name	OJ991112_04.0421.C80.o1.ts	Method	TBLASTX:Soybean
Start	527	End	853
GI	none	Score	76
Exons	527..637, 528..638, 704..853, 705..839		

Seq. No.	48550	Seq. ID	OJ991112_04.0421.C83
Gene No.	103370	Strand	+
Start	425	End	639
Name	OJ991112_04.0421.C83.o1.gs	Method	GENSCAN
Start	425	End	639
GI	none	Score	.81
Exons	425..639		

Seq. No.	48550	Seq. ID	OJ991112_04.0421.C83
Gene No.	103370	Strand	+
Start	425	End	639
Name	OJ991112_04.0421.C83.o1.np	Method	AAT/NAP

Start	425	End	636
GI	6983860	Score	338
Exons	425..636		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	48551	Seq. ID	OJ991112_04.0421.C85
Gene No.	103371	Strand	-
Start	680	End	765
Name	OJ991112_04.0421.C85.o1.gs	Method	GENSCAN
Start	680	End	765
GI	none	Score	.65
Exons	680..765		

Seq. No.	48552	Seq. ID	OJ991112_04.0421.C86
Gene No.	103372	Strand	+
Start	219	End	753
Name	OJ991112_04.0421.C86.o1.gs	Method	GENSCAN
Start	219	End	753
GI	none	Score	.82
Exons	219..283, 558..753		

Seq. No.	48552	Seq. ID	OJ991112_04.0421.C86
Gene No.	103373	Strand	+
Start	975	End	3791
Name	OJ991112_04.0421.C86.o2.gs	Method	GENSCAN
Start	975	End	3762
GI	none	Score	.99
Exons	975..1161, 1257..1306, 2735..2858, 2944..3051, 3140..3762		

Seq. No.	48552	Seq. ID	OJ991112_04.0421.C86
Gene No.	103373	Strand	+
Start	975	End	3791
Name	OJ991112_04.0421.C86.o1.np	Method	AAT/NAP
Start	990	End	3765
GI	7430313	Score	728
Exons	990..1161, 1257..1306, 2735..2858, 2944..3051, 3140..3765		
GI Descrip.	probable aldose 1-epimerase (EC 5.1.3.3) - common tobacco gi|2739168|gb|AAB94619.1| (AF032386) aldose-1-epimerase-like protein [Nicotiana tabacum]		

Seq. No.	48552	Seq. ID	OJ991112_04.0421.C86
Gene No.	103373	Strand	+
Start	975	End	3791
Name	OJ991112_04.0421.C86.o1.tm	Method	TBLASTX:Maize
Start	1058	End	3489
GI	none	Score	140
Exons	1058..1162, 1062..1184, 1255..1314, 1256..1306, 2735..2860, 2737..2859, 2942..3052, 2943..3065, 3138..3272, 3139..3447, 3265..3297, 3321..3443, 3429..3488, 3442..3489		

Seq. No.	48552	Seq. ID	OJ991112_04.0421.C86
Gene No.	103373	Strand	+
Start	975	End	3791
Name	OJ991112_04.0421.C86.o1.ts	Method	TBLASTX:Soybean
Start	1059	End	3755
GI	none	Score	116

Exons	1059..1199, 1070..1171, 2735..2860, 2942..3052, 2943..3053, 3139..3363, 3463..3519, 3490..3741, 3558..3755		
Seq. No.	48552	Seq. ID	OJ991112_04.0421.C86
Gene No.	103373	Strand	+
Start	975	End	3791
Name	OJ991112_04.0421.C86.o1.tc	Method	TBLASTX:Cress
Start	1077	End	3303
GI	none	Score	74
Exons	1077..1199, 2747..2860, 2942..3052, 2943..3053, 3138..3272, 3139..3303		
Seq. No.	48552	Seq. ID	OJ991112_04.0421.C86
Gene No.	103373	Strand	+
Start	975	End	3791
Name	OJ991112_04.0421.C86.o1.tw	Method	TBLASTX:Wheat
Start	3505	End	3764
GI	none	Score	294
Exons	3505..3741, 3520..3762, 3558..3764, 3561..3764		
Seq. No.	48552	Seq. ID	OJ991112_04.0421.C86
Gene No.	103373	Strand	+
Start	975	End	3791
Name	OJ991112_04.0421.C86.o2.tm	Method	TBLASTX:Maize
Start	3521	End	3791
GI	none	Score	71
Exons	3521..3577, 3529..3741, 3561..3761, 3561..3791		
Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103374	Strand	-
Start	170	End	1510
Name	OJ991112_04.0421.C88.o1.gs	Method	GENSCAN
Start	170	End	1510
GI	none	Score	.66
Exons	170..362, 499..561, 1403..1510		
Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103375	Strand	-
Start	2222	End	3925
Name	OJ991112_04.0421.C88.o1.gp	Method	AAT/GAP
Start	1910	End	2276
GI	3761524	Score	692
Exons	1910..2276		
Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103375	Strand	-
Start	2222	End	3925
Name	OJ991112_04.0421.C88.o2.gs	Method	GENSCAN
Start	2222	End	3925
GI	none	Score	1
Exons	2222..3925		
Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103375	Strand	-
Start	2222	End	3925
Name	OJ991112_04.0421.C88.o1.np	Method	AAT/NAP
Start	2225	End	3922

GI	7447384	Score	2384
Exons	2225..3922		
GI Descrip.	pectin methylesterase-like protein - maize gi|2239262|emb|CAA73733.1| (Y13285) pectin methylesterase-like protein [Zea mays]		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103375	Strand	-
Start	2222	End	3925
Name	OJ991112_04.0421.C88.o2.gp	Method	AAT/GAP
Start	2436	End	2892
GI	40115_1.R1084	Score	855
Exons	2436..2892		
GI Descrip.	'2239262/emb|CAA73733| 7.0e-60 (Y13285) pectin methylesterase-like protein [Zea mays]'		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103375	Strand	-
Start	2222	End	3925
Name	OJ991112_04.0421.C88.o3.gp	Method	AAT/GAP
Start	3424	End	3920
GI	uC-osflcyp052c05b1	Score	923
Exons	3424..3920		
GI Descrip.	'2239262/emb|CAA73733| 3.0e-22 (Y13285) pectin methylesterase-like protein [Zea mays]'		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632
Name	OJ991112_04.0421.C88.o1.tw	Method	TBLASTX:Wheat
Start	132	End	2885
GI	none	Score	58
Exons	132..281, 2448..2885, 2448..2633, 2450..2881		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632
Name	OJ991112_04.0421.C88.o1.tm	Method	TBLASTX:Maize
Start	2204	End	3847
GI	none	Score	70
Exons	2204..2284, 2216..3178, 2217..3179, 3050..3181, 3170..3268, 3186..3236, 3278..3610, 3290..3559, 3610..3645, 3642..3698, 3652..3717, 3687..3815, 3691..3756, 3698..3847, 3726..3842		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632
Name	OJ991112_04.0421.C88.o2.ts	Method	TBLASTX:Soybean
Start	2231	End	3505
GI	none	Score	579
Exons	2231..2305, 2312..3235, 2331..3236, 3404..3505		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632
Name	OJ991112_04.0421.C88.o2.tc	Method	TBLASTX:Cress
Start	2232	End	3235

GI	none	Score	51
Exons	2232..2300, 2234..2314, 2324..3163, 2325..2378, 2424..2534, 2577..3161, 3194..3235		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632
Name	OJ991112_04.0421.C88.o3.tw	Method	TBLASTX:Wheat
Start	2888	End	3169
GI	none	Score	113
Exons	2888..3169, 2901..3167, 3053..3169		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632
Name	OJ991112_04.0421.C88.o2.np	Method	AAT/NAP
Start	6461	End	7632
GI	6671365	Score	1124
Exons	6461..7632		
GI Descrip.	(AF216497) P-glycoprotein [Gossypium hirsutum]		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632
Name	OJ991112_04.0421.C88.o3.gs	Method	GENSCAN
Start	6467	End	7516
GI	none	Score	.93
Exons	6467..7516		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632
Name	OJ991112_04.0421.C88.o3.ts	Method	TBLASTX:Soybean
Start	6473	End	6763
GI	none	Score	317
Exons	6473..6763		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632
Name	OJ991112_04.0421.C88.o1.tc	Method	TBLASTX:Cress
Start	6482	End	7607
GI	none	Score	394
Exons	6482..7606, 6482..7228, 6501..7211, 6525..6839, 6749..6841, 6884..7204, 6891..7211, 7247..7606, 7299..7607		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632
Name	OJ991112_04.0421.C88.o2.tm	Method	TBLASTX:Maize
Start	6492	End	7432
GI	none	Score	751
Exons	6492..7208, 6494..7432, 6749..7345, 7275..7427		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632

Name	OJ991112_04.0421.C88.o2.tw	Method	TBLASTX:Wheat
Start	6557	End	6808
GI	none	Score	251
Exons	6557..6808, 6558..6800		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632
Name	OJ991112_04.0421.C88.o1.ts	Method	TBLASTX:Soybean
Start	6765	End	7598
GI	none	Score	432
Exons	6765..7223, 6776..7291, 6908..7270, 7292..7597, 7293..7598		

Seq. No.	48553	Seq. ID	OJ991112_04.0421.C88
Gene No.	103376	Strand	-
Start	6467	End	7632
Name	OJ991112_04.0421.C88.o3.tm	Method	TBLASTX:Maize
Start	7433	End	7632
GI	none	Score	258
Exons	7433..7606, 7434..7607, 7558..7608, 7601..7630, 7602..7631, 7606..7632		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103377	Strand	+
Start	86	End	511
Name	OJ991112_04.0421.C89.o1.gs	Method	GENSCAN
Start	86	End	511
GI	none	Score	.79
Exons	86..511		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o1.np	Method	AAT/NAP
Start	1	End	4230
GI	419760	Score	1790
Exons	1..34, 973..1214, 1289..2114, 2294..2517, 2603..2919, 3018..3277, 3706..3906, 3998..4230		
GI Descrip.	P-glycoprotein atpgp1 - Arabidopsis thaliana gi|3849833|emb|CAA43646| (X61370) P-glycoprotein [Arabidopsis thaliana] gi|4883607|gb|AAD31576.1|AC006922_8 (AC006922) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o2.gs	Method	GENSCAN
Start	729	End	4173
GI	none	Score	.84
Exons	729..857, 973..1136, 1289..2114, 2294..2517, 2603..2880, 3018..3277, 3706..3906, 3998..4173		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o1.tc	Method	TBLASTX:Cress
Start	973	End	1596

GI	none	Score	271
Exons	973..1224, 977..1222, 1278..1595, 1285..1596		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o2.ts	Method	TBLASTX:Soybean
Start	973	End	1224
GI	none	Score	291
Exons	973..1224, 977..1216		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o3.tm	Method	TBLASTX:Maize
Start	997	End	4156
GI	none	Score	119
Exons	997..1122, 3701..3907, 3706..3915, 3838..3909, 3980..4156, 3986..4153		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o1.gp	Method	AAT/GAP
Start	1028	End	1470
GI	61339_1.R1084	Score	710
Exons	1028..1214, 1289..1470		
GI Descrip.	'4204793 3.0e-28 (U52079) P-glycoprotein [Solanum tuberosum]'		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o1.tm	Method	TBLASTX:Maize
Start	1123	End	2046
GI	none	Score	115
Exons	1123..1224, 1124..1222, 1278..1655, 1285..2046, 1387..1752, 1761..2045		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o4.ts	Method	TBLASTX:Soybean
Start	1290	End	3894
GI	none	Score	60
Exons	1290..1592, 3805..3894		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o2.tc	Method	TBLASTX:Cress
Start	1783	End	4174
GI	none	Score	34
Exons	1783..1821, 1824..2126, 1825..2076, 1833..2126, 1846..2079, 2270..2521, 2276..2494, 2276..2521, 2277..2531, 2289..2519, 2592..2795, 2601..2918, 2602..2787, 2704..2787, 3017..3283, 3018..3293, 3703..3915, 3704..3925, 3980..4174, 3984..4079, 3986..4174, 4043..4174		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o1.ts	Method	TBLASTX:Soybean
Start	1830	End	2112
GI	none	Score	202
Exons	1830..2108, 1831..2079, 1960..2112		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o1.tw	Method	TBLASTX:Wheat
Start	1869	End	2120
GI	none	Score	177
Exons	1869..2120, 1873..2079		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o2.tm	Method	TBLASTX:Maize
Start	2046	End	2835
GI	none	Score	257
Exons	2046..2120, 2288..2515, 2288..2518, 2289..2519, 2598..2822, 2598..2834, 2602..2835		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o3.ts	Method	TBLASTX:Soybean
Start	2387	End	2915
GI	none	Score	37
Exons	2387..2521, 2598..2915, 2602..2652, 2704..2913		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o4.tm	Method	TBLASTX:Maize
Start	3114	End	3238
GI	none	Score	148
Exons	3114..3233, 3114..3206, 3116..3238, 3116..3238		

Seq. No.	48554	Seq. ID	OJ991112_04.0421.C89
Gene No.	103378	Strand	-
Start	1	End	4230
Name	OJ991112_04.0421.C89.o5.ts	Method	TBLASTX:Soybean
Start	3983	End	4177
GI	none	Score	94
Exons	3983..4177, 3986..4177, 3998..4069, 3998..4063, 4076..4102		

Seq. No.	48555	Seq. ID	OJ991112_04.0421.C91
Gene No.	103379	Strand	-
Start	1	End	1300
Name	OJ991112_04.0421.C91.o1.np	Method	AAT/NAP
Start	1	End	1300
GI	4680179	Score	1834
Exons	1..1300		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	48555	Seq. ID	OJ991112_04.0421.C91
Gene No.	103379	Strand	-
Start	1	End	1300
Name	OJ991112_04.0421.C91.o2.tm	Method	TBLASTX:Maize
Start	2	End	307
GI	none	Score	161
Exons	2..295, 2..307, 45..296		

Seq. No.	48555	Seq. ID	OJ991112_04.0421.C91
Gene No.	103379	Strand	-
Start	1	End	1300
Name	OJ991112_04.0421.C91.o3.tw	Method	TBLASTX:Wheat
Start	2	End	266
GI	none	Score	161
Exons	2..259, 2..265, 18..266, 39..266		

Seq. No.	48555	Seq. ID	OJ991112_04.0421.C91
Gene No.	103379	Strand	-
Start	1	End	1300
Name	OJ991112_04.0421.C91.o1.gs	Method	GENSCAN
Start	182	End	1255
GI	none	Score	.99
Exons	182..1255		

Seq. No.	48555	Seq. ID	OJ991112_04.0421.C91
Gene No.	103379	Strand	-
Start	1	End	1300
Name	OJ991112_04.0421.C91.o1.ts	Method	TBLASTX:Soybean
Start	224	End	484
GI	none	Score	140
Exons	224..484, 225..479		

Seq. No.	48555	Seq. ID	OJ991112_04.0421.C91
Gene No.	103379	Strand	-
Start	1	End	1300
Name	OJ991112_04.0421.C91.o1.tc	Method	TBLASTX:Cress
Start	248	End	565
GI	none	Score	85
Exons	248..391, 249..389, 392..565		

Seq. No.	48555	Seq. ID	OJ991112_04.0421.C91
Gene No.	103379	Strand	-
Start	1	End	1300
Name	OJ991112_04.0421.C91.o1.tw	Method	TBLASTX:Wheat
Start	272	End	850
GI	none	Score	326
Exons	272..850, 273..836		

Seq. No.	48555	Seq. ID	OJ991112_04.0421.C91
Gene No.	103379	Strand	-
Start	1	End	1300
Name	OJ991112_04.0421.C91.o3.tm	Method	TBLASTX:Maize
Start	308	End	622
GI	none	Score	107
Exons	308..622, 309..512, 458..598		

Seq. No.	48555	Seq. ID	OJ991112_04.0421.C91
Gene No.	103379	Strand	-
Start	1	End	1300
Name	OJ991112_04.0421.C91.o1.tm	Method	TBLASTX:Maize
Start	839	End	1193
GI	none	Score	161
Exons	839..1192, 845..1192, 846..1193		

Seq. No.	48555	Seq. ID	OJ991112_04.0421.C91
Gene No.	103379	Strand	-
Start	1	End	1300
Name	OJ991112_04.0421.C91.o2.tw	Method	TBLASTX:Wheat
Start	851	End	1243
GI	none	Score	341
Exons	851..1243, 852..1232		

Seq. No.	48555	Seq. ID	OJ991112_04.0421.C91
Gene No.	103379	Strand	-
Start	1	End	1300
Name	OJ991112_04.0421.C91.o2.ts	Method	TBLASTX:Soybean
Start	1013	End	1240
GI	none	Score	91
Exons	1013..1240, 1014..1235		

Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103380	Strand	+
Start	3667	End	4759
Name	OJ991112_04.0421.C92.o3.np	Method	AAT/NAP
Start	3667	End	4759
GI	4680186	Score	371
Exons	3667..3722, 4559..4759		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103381	Strand	-
Start	1	End	4692
Name	OJ991112_04.0421.C92.o1.np	Method	AAT/NAP
Start	1	End	2368
GI	4680179	Score	2262
Exons	1..1250, 1284..2368		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103381	Strand	-
Start	1	End	4692
Name	OJ991112_04.0421.C92.o1.gs	Method	GENSCAN
Start	95	End	4513
GI	none	Score	.65
Exons	95..2365, 2536..2558, 2619..2917, 2969..3424, 4442..4513		

Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103381	Strand	-
Start	1	End	4692
Name	OJ991112_04.0421.C92.o1.gp	Method	AAT/GAP
Start	4310	End	4692
GI	uC-osflcyp033a04b1	Score	720

Exons	4310..4692		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103382	Strand	-
Start	5125	End	5696
Name	OJ991112_04.0421.C92.o4.tw	Method	TBLASTX:Wheat
Start	3	End	155
GI	none	Score	88
Exons	3..152, 13..153, 15..155		
Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103382	Strand	-
Start	5125	End	5696
Name	OJ991112_04.0421.C92.o1.ts	Method	TBLASTX:Soybean
Start	15	End	263
GI	none	Score	119
Exons	15..227, 16..159, 190..225, 231..263, 232..261		
Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103382	Strand	-
Start	5125	End	5696
Name	OJ991112_04.0421.C92.o1.tm	Method	TBLASTX:Maize
Start	150	End	581
GI	none	Score	79
Exons	150..581, 157..351, 369..542		
Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103382	Strand	-
Start	5125	End	5696
Name	OJ991112_04.0421.C92.o1.tw	Method	TBLASTX:Wheat
Start	204	End	690
GI	none	Score	252
Exons	204..581, 247..690, 636..689		
Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103382	Strand	-
Start	5125	End	5696
Name	OJ991112_04.0421.C92.o3.tw	Method	TBLASTX:Wheat
Start	786	End	1223
GI	none	Score	68
Exons	786..827, 855..968, 856..969, 1014..1223, 1015..1167		
Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103382	Strand	-
Start	5125	End	5696
Name	OJ991112_04.0421.C92.o3.tm	Method	TBLASTX:Maize
Start	906	End	1229
GI	none	Score	187
Exons	906..1229		
Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103382	Strand	-
Start	5125	End	5696
Name	OJ991112_04.0421.C92.o2.tm	Method	TBLASTX:Maize
Start	1599	End	1892

GI	none	Score	90
Exons	1599..1892, 1762..1878		

Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103382	Strand	-
Start	5125	End	5696
Name	OJ991112_04.0421.C92.o2.tw	Method	TBLASTX:Wheat
Start	1773	End	2133
GI	none	Score	146
Exons	1773..2132, 1774..2133		

Seq. No.	48556	Seq. ID	OJ991112_04.0421.C92
Gene No.	103382	Strand	-
Start	5125	End	5696
Name	OJ991112_04.0421.C92.o2.gs	Method	GENSCAN
Start	5125	End	5696
GI	none	Score	.82
Exons	5125..5210, 5606..5696		

Seq. No.	48557	Seq. ID	OJ991112_04.0421.C93
Gene No.	103383	Strand	+
Start	1	End	1761
Name	OJ991112_04.0421.C93.o2.np	Method	AAT/NAP
Start	1	End	1761
GI	4680186	Score	388
Exons	1..35, 672..725, 1561..1761		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48557	Seq. ID	OJ991112_04.0421.C93
Gene No.	103384	Strand	-
Start	1	End	2703
Name	OJ991112_04.0421.C93.o1.np	Method	AAT/NAP
Start	1	End	428
GI	6983858	Score	136
Exons	1..428		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	48557	Seq. ID	OJ991112_04.0421.C93
Gene No.	103384	Strand	-
Start	1	End	2703
Name	OJ991112_04.0421.C93.o1.gs	Method	GENSCAN
Start	15	End	2703
GI	none	Score	.68
Exons	15..428, 935..977, 1645..1749, 2576..2703		

Seq. No.	48557	Seq. ID	OJ991112_04.0421.C93
Gene No.	103384	Strand	-
Start	1	End	2703
Name	OJ991112_04.0421.C93.o1.gp	Method	AAT/GAP
Start	1313	End	1694
GI	uC-osflcyp033a04b1	Score	687
Exons	1313..1694		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48558	Seq. ID	OJ991112_04.0421.C95

Gene No.	103385	Strand	+
Start	1157	End	4177
Name	OJ991112_04.0421.C95.o1.gs	Method	GENSCAN
Start	1157	End	4177
GI	none	Score	.64
Exons	1157..1203, 1666..1697, 1883..2436, 2684..2861, 2951..3247, 4074..4177		

Seq. No.	48558	Seq. ID	OJ991112_04.0421.C95
Gene No.	103386	Strand	-
Start	2627	End	5100
Name	OJ991112_04.0421.C95.o1.np	Method	AAT/NAP
Start	2627	End	5100
GI	134976	Score	228
Exons	2627..2968, 5054..5100		
GI Descrip.	GLUCOSE TRANSPORTER (SUGAR CARRIER) gi|81619|pir||S12042 glucose transport protein STP1 - Arabidopsis thaliana gi|16520|emb|CAA39037.1| (X55350) glucose transporter [Arabidopsis thaliana]		

Seq. No.	48558	Seq. ID	OJ991112_04.0421.C95
Gene No.	103386	Strand	-
Start	2627	End	5100
Name	OJ991112_04.0421.C95.o1.tc	Method	TBLASTX:Cress
Start	2645	End	3081
GI	none	Score	122
Exons	2645..2749, 2741..2968, 2811..2969, 2995..3081		

Seq. No.	48558	Seq. ID	OJ991112_04.0421.C95
Gene No.	103386	Strand	-
Start	2627	End	5100
Name	OJ991112_04.0421.C95.o1.tm	Method	TBLASTX:Maize
Start	2678	End	2966
GI	none	Score	88
Exons	2678..2749, 2741..2965, 2804..2932, 2811..2966		

Seq. No.	48558	Seq. ID	OJ991112_04.0421.C95
Gene No.	103386	Strand	-
Start	2627	End	5100
Name	OJ991112_04.0421.C95.o1.tw	Method	TBLASTX:Wheat
Start	2693	End	2966
GI	none	Score	137
Exons	2693..2749, 2741..2965, 2817..2966		

Seq. No.	48558	Seq. ID	OJ991112_04.0421.C95
Gene No.	103386	Strand	-
Start	2627	End	5100
Name	OJ991112_04.0421.C95.o1.ts	Method	TBLASTX:Soybean
Start	2699	End	2969
GI	none	Score	129
Exons	2699..2746, 2741..2968, 2811..2969		

Seq. No.	48559	Seq. ID	OJ991112_04.0421.C96
Gene No.	103387	Strand	-
Start	414	End	2987
Name	OJ991112_04.0421.C96.o1.gs	Method	GENSCAN
Start	414	End	2947

GI	none	Score	.42
Exons	414..1388, 2250..2395, 2800..2947		

Seq. No.	48559	Seq. ID	OJ991112_04.0421.C96
Gene No.	103387	Strand	-
Start	414	End	2987
Name	OJ991112_04.0421.C96.o1.np	Method	AAT/NAP
Start	2686	End	2987
GI	6006372	Score	106
Exons	2686..2987		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	48560	Seq. ID	OJ991112_04.0421.C97
Gene No.	103388	Strand	-
Start	286	End	387
Name	OJ991112_04.0421.C97.o1.np	Method	AAT/NAP
Start	286	End	387
GI	5777617	Score	69
Exons	286..387		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	48561	Seq. ID	OJ991112_04.0421.C98
Gene No.	103389	Strand	+
Start	1	End	890
Name	OJ991112_04.0421.C98.o1.np	Method	AAT/NAP
Start	1	End	890
GI	7339707	Score	74
Exons	1..70, 745..890		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	48561	Seq. ID	OJ991112_04.0421.C98
Gene No.	103390	Strand	-
Start	478	End	761
Name	OJ991112_04.0421.C98.o1.gs	Method	GENSCAN
Start	478	End	761
GI	none	Score	.79
Exons	478..596, 679..761		

Seq. No.	48562	Seq. ID	OJ991122_07.0421.C1
Gene No.	103391	Strand	-
Start	189	End	677
Name	OJ991122_07.0421.C1.o1.gs	Method	GENSCAN
Start	189	End	677
GI	none	Score	.62
Exons	189..322, 404..519, 561..677		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103392	Strand	+
Start	745	End	1155
Name	OJ991122_07.0421.C4.o1.gp	Method	AAT/GAP
Start	745	End	1155
GI	none	Score	678
Exons	745..1155		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103392	Strand	+
Start	745	End	1155

Name	OJ991122_07.0421.C4.o1.np	Method	AAT/NAP
Start	797	End	1093
GI	7489428	Score	270
Exons	797..1093		
GI Descrip.	probable lipid transfer protein - barley gi|1848225|gb|AAB47967.1| (U88090) nonspecific lipid transfer protein [Hordeum vulgare]		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103393	Strand	+
Start	3122	End	7027
Name	OJ991122_07.0421.C4.o2.np	Method	AAT/NAP
Start	3122	End	7027
GI	6539553	Score	6719
Exons	3122..7027		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103394	Strand	+
Start	15956	End	24831
Name	OJ991122_07.0421.C4.o3.gs	Method	GENSCAN
Start	15956	End	22294
GI	none	Score	.92
Exons	15956..16787, 18431..19114, 20168..20203, 20463..20750, 21166..21619, 21850..22294		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103394	Strand	+
Start	15956	End	24831
Name	OJ991122_07.0421.C4.o3.np	Method	AAT/NAP
Start	18586	End	24831
GI	6714300	Score	950
Exons	18586..19241, 20458..20750, 21166..21619, 21850..22188, 24771..24831		
GI Descrip.	(AC013354) F15H18.11 [Arabidopsis thaliana]		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103395	Strand	+
Start	29038	End	37233
Name	OJ991122_07.0421.C4.o5.np	Method	AAT/NAP
Start	28982	End	35149
GI	5882746	Score	796
Exons	28982..29262, 30296..30505, 31550..31744, 31821..32170, 32528..32753, 32854..33115, 33274..33920, 33956..34346, 34502..34765, 35024..35149		
GI Descrip.	(AC008263) ESTs gb|T04421 and gb|AA586001 come from this gene. [Arabidopsis thaliana]		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103395	Strand	+
Start	29038	End	37233
Name	OJ991122_07.0421.C4.o5.gs	Method	GENSCAN
Start	29038	End	37084
GI	none	Score	.53

Exons	29038..29262, 30296..30455, 32020..32170, 32528..32753, 32854..33022, 33475..34320, 34977..35148, 35304..35485, 36253..36305, 36801..36872, 36950..37084		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103395	Strand	+
Start	29038	End	37233
Name	OJ991122_07.0421.C4.o4.gp	Method	AAT/GAP
Start	34170	End	34704
GI	uC-osroM202041g10b1	Score	254
Exons	34170..34320, 34675..34704		
GI Descrip.	'3415134 1.0e-45 (AF082024) Phyb1 [Pimpinella brachycarpa]'		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103395	Strand	+
Start	29038	End	37233
Name	OJ991122_07.0421.C4.o5.gp	Method	AAT/GAP
Start	34975	End	35360
GI	uC-osroM202041g10b1	Score	437
Exons	34975..35148, 35264..35360		
GI Descrip.	'3415134 1.0e-45 (AF082024) Phyb1 [Pimpinella brachycarpa]'		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103395	Strand	+
Start	29038	End	37233
Name	OJ991122_07.0421.C4.o7.np	Method	AAT/NAP
Start	35322	End	37048
GI	5882747	Score	862
Exons	35322..35485, 36007..36144, 36253..36487, 36580..36639, 36801..36872, 36950..37048		
GI Descrip.	(AC008263) Similar to gb|AF049930 PGP237-11 from Petunia x hybrida and contains a PF|00097 Zinc (RING) finger domain. [Arabidopsis thaliana]		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103395	Strand	+
Start	29038	End	37233
Name	OJ991122_07.0421.C4.o6.gp	Method	AAT/GAP
Start	35325	End	36081
GI	LIB3433-029-P1-K1-E12	Score	385
Exons	35325..35485, 36007..36081		
GI Descrip.	'5882747/gb|AAD55300.1|AC008263_31 4.0e-23 (AC008263) Similar to gb_AF049930 PGP237-11 from Petunia x hybrida and contains a PF_00097 Zinc (RING) finger domain. [Arabidopsis thaliana]'		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103395	Strand	+
Start	29038	End	37233
Name	OJ991122_07.0421.C4.o7.gp	Method	AAT/GAP
Start	36245	End	37233
GI	60029_1.R1084	Score	1131
Exons	36245..36487, 36580..36639, 36801..36872, 36950..37233		
GI Descrip.	'5882747/gb|AAD55300.1|AC008263_31 2.0e-42 (AC008263) Similar to gb_AF049930 PGP237-11 from Petunia x hybrida and contains a PF_00097 Zinc (RING) finger domain. [Arabidopsis thaliana]'		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4

Gene No.	103396	Strand	+
Start	38395	End	38851
Name	OJ991122_07.0421.C4.o8.gp	Method	AAT/GAP
Start	38395	End	38851
GI	none	Score	910
Exons	38395..38851		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103397	Strand	-
Start	1215	End	1337
Name	OJ991122_07.0421.C4.o3.gp	Method	AAT/GAP
Start	1215	End	1337
GI	3106803	Score	214
Exons	1215..1337		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103398	Strand	-
Start	8133	End	12594
Name	OJ991122_07.0421.C4.o2.gs	Method	GENSCAN
Start	8133	End	12594
GI	none	Score	.52
Exons	8133..8492, 8613..8938, 9343..9378, 10258..10950, 11742..12594		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103399	Strand	-
Start	20564	End	25242
Name	OJ991122_07.0421.C4.o4.np	Method	AAT/NAP
Start	20564	End	24449
GI	6539570	Score	169
Exons	20564..20586, 21513..21677, 22732..22987, 23192..23364, 24427..24449		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103399	Strand	-
Start	20564	End	25242
Name	OJ991122_07.0421.C4.o4.gs	Method	GENSCAN
Start	23099	End	25242
GI	none	Score	.52
Exons	23099..23308, 23743..24137, 24839..25006, 25200..25242		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103400	Strand	-
Start	38451	End	42014
Name	OJ991122_07.0421.C4.o6.gs	Method	GENSCAN
Start	38451	End	42014
GI	none	Score	.94
Exons	38451..39148, 39322..39397, 39514..41226, 41615..41694, 41846..42014		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103400	Strand	-
Start	38451	End	42014
Name	OJ991122_07.0421.C4.o9.gp	Method	AAT/GAP
Start	40230	End	40679
GI	none	Score	839
Exons	40230..40679		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103401	Strand	-
Start	42150	End	42587
Name	OJ991122_07.0421.C4.o10.gp	Method	AAT/GAP
Start	42150	End	42587
GI	2427623	Score	815
Exons	42150..42587		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o8.tm	Method	TBLASTX:Maize
Start	889	End	1104
GI	none	Score	328
Exons	889..1092, 890..1096, 937..1104, 1005..1097		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o1.ts	Method	TBLASTX:Soybean
Start	1432	End	21973
GI	none	Score	81
Exons	1432..1578, 1453..1590, 1469..1615, 1663..2124, 1673..2119, 8553..8837, 8557..8820, 21312..21362, 21483..21596, 21884..21973		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o5.tw	Method	TBLASTX:Wheat
Start	1449	End	1793
GI	none	Score	57
Exons	1449..1583, 1449..1586, 1450..1704, 1454..1702, 1699..1755, 1705..1791, 1706..1792, 1706..1792, 1707..1793		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o2.tc	Method	TBLASTX:Cress
Start	1456	End	22177
GI	none	Score	71
Exons	1456..1626, 1457..1612, 1636..1674, 1703..2020, 1703..2023, 1705..2028, 2024..2110, 2062..2115, 8556..8669, 8556..8681, 8685..8780, 8692..8781, 21165..21332, 21330..21374, 21483..21569, 21884..21946, 22052..22177		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o2.tm	Method	TBLASTX:Maize
Start	1705	End	22291
GI	none	Score	67
Exons	1705..1764, 1861..1947, 1966..2037, 2071..2103, 8650..8727, 8652..8786, 20546..20605, 20548..20601, 20624..20752, 20719..20769, 21164..21412, 21165..21425, 21408..21476, 21479..21622, 21480..21623, 21555..21623, 21847..21945, 21849..21899, 21850..21999, 21851..22219, 21980..22183,		

22069..22218, 22213..22287, 22217..22291

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o7.tw	Method	TBLASTX:Wheat
Start	1795	End	21602
GI	none	Score	94
Exons	1795..2028, 1862..2032, 21309..21389, 21483..21602		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o4.tw	Method	TBLASTX:Wheat
Start	3116	End	3502
GI	none	Score	354
Exons	3116..3502, 3127..3501		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o5.tm	Method	TBLASTX:Maize
Start	3251	End	3564
GI	none	Score	366
Exons	3251..3562, 3259..3564		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o4.tm	Method	TBLASTX:Maize
Start	4063	End	4385
GI	none	Score	268
Exons	4063..4317, 4070..4384, 4090..4383, 4218..4385		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o10.ts	Method	TBLASTX:Soybean
Start	4412	End	4798
GI	none	Score	80
Exons	4412..4567, 4550..4798		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o6.tw	Method	TBLASTX:Wheat
Start	4664	End	4855
GI	none	Score	272
Exons	4664..4855, 4664..4855		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o10.tm	Method	TBLASTX:Maize
Start	4712	End	5284
GI	none	Score	226
Exons	4712..5020, 4795..4986, 4841..4996, 5024..5284		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o6.ts	Method	TBLASTX:Soybean
Start	4808	End	5206
GI	none	Score	195
Exons	4808..5032, 4816..4986, 5033..5206, 5041..5079		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	4856	End	5611
GI	none	Score	614
Exons	4856..5320, 4865..5332, 5041..5343, 5364..5594, 5372..5611, 5394..5591, 5452..5610		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o4.ts	Method	TBLASTX:Soybean
Start	5531	End	5995
GI	5509260	Score	382
Exons	5531..5995, 5672..5974		
GI Descrip.	-		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o3.tc	Method	TBLASTX:Cress
Start	5624	End	5884
GI	none	Score	277
Exons	5624..5884		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o6.tm	Method	TBLASTX:Maize
Start	5665	End	6130
GI	none	Score	352
Exons	5665..5784, 5666..6130, 5801..5983		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o3.tw	Method	TBLASTX:Wheat
Start	5666	End	6211
GI	none	Score	310
Exons	5666..6010, 5813..5986, 6005..6211, 6079..6201		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o5.ts	Method	TBLASTX:Soybean
Start	6064	End	6409
GI	none	Score	314

Exons	6064..6264, 6065..6409		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o9.tm	Method	TBLASTX:Maize
Start	6221	End	6559
GI	none	Score	312
Exons	6221..6559, 6221..6544, 6364..6558		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o2.tw	Method	TBLASTX:Wheat
Start	6415	End	6891
GI	none	Score	101
Exons	6415..6486, 6416..6490, 6504..6812, 6505..6891, 6506..6853		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o7.ts	Method	TBLASTX:Soybean
Start	6422	End	6763
GI	none	Score	91
Exons	6422..6535, 6448..6528, 6554..6763, 6559..6684		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o8.tw	Method	TBLASTX:Wheat
Start	13281	End	53214
GI	none	Score	42
Exons	13281..13328, 52861..52908, 52863..52907, 53019..53174, 53022..53207, 53068..53214		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o8.ts	Method	TBLASTX:Soybean
Start	20657	End	22288
GI	none	Score	66
Exons	20657..20722, 21159..21308, 21164..21307, 21363..21422, 21851..21883, 21853..21882, 21974..22171, 21977..22189, 22075..22194, 22262..22288		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o12.tm	Method	TBLASTX:Maize
Start	29097	End	29250
GI	none	Score	202
Exons	29097..29249, 29098..29250, 29101..29250		
Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o9.ts	Method	TBLASTX:Soybean

Start	30332	End	30508
GI	none	Score	204
Exons	30332..30508, 30334..30504		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o3.ts	Method	TBLASTX:Soybean
Start	31547	End	34272
GI	5606777	Score	73
Exons	31547..31702, 33947..34270, 33948..34271, 34042..34272		
GI Descrip.	-		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o11.tm	Method	TBLASTX:Maize
Start	32015	End	32747
GI	none	Score	218
Exons	32015..32170, 32016..32168, 32020..32169, 32521..32745, 32525..32746, 32526..32747		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o5.tc	Method	TBLASTX:Cress
Start	33725	End	33896
GI	none	Score	221
Exons	33725..33874, 33726..33896		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o3.tm	Method	TBLASTX:Maize
Start	33825	End	34271
GI	none	Score	95
Exons	33825..33905, 33827..33904, 33943..34104, 33947..34102, 33948..34103, 33958..34104, 34084..34269, 34106..34270, 34107..34271		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	35007	End	36984
GI	none	Score	126
Exons	35007..35144, 35009..35146, 35014..35148, 35014..35157, 35261..35488, 35262..35486, 35263..35490, 36001..36132, 36005..36145, 36005..36145, 36232..36501, 36251..36487, 36561..36641, 36574..36648, 36771..36872, 36799..36873, 36801..36872, 36925..36984, 36947..36982		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o2.ts	Method	TBLASTX:Soybean
Start	35077	End	37072

GI	none	Score	107
Exons	35077..35157, 35078..35146, 35261..35317, 35262..35306, 35298..35486, 35336..35488, 35995..36132, 36005..36145, 36008..36148, 36232..36501, 36251..36487, 36561..36641, 36574..36648, 36771..36872, 36799..36873, 36804..36872, 36944..37072, 36949..37062		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o1.tc	Method	TBLASTX:Cress
Start	35261	End	36500
GI	none	Score	250
Exons	35261..35293, 35277..35486, 35327..35488, 35995..36132, 36005..36145, 36008..36145, 36232..36498, 36251..36490, 36294..36500		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o4.tc	Method	TBLASTX:Cress
Start	36592	End	37059
GI	none	Score	82
Exons	36592..36648, 36771..36872, 36804..36872, 36947..37051, 36947..37051, 36949..37059		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o7.tm	Method	TBLASTX:Maize
Start	52939	End	53213
GI	none	Score	81
Exons	52939..53211, 52941..53213		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o8.np	Method	AAT/NAP
Start	54139	End	59339
GI	5734709	Score	111
Exons	54139..54173, 58494..58617, 58801..59339		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o11.gp	Method	AAT/GAP
Start	58403	End	58761
GI	2799559	Score	557
Exons	58403..58761		

Seq. No.	48563	Seq. ID	OJ991122_07.0421.C4
Gene No.	103402	Strand	-
Start	54139	End	59339
Name	OJ991122_07.0421.C4.o8.gs	Method	GENSCAN
Start	58582	End	59315

GI	none	Score	.98
Exons	58582..58647, 58872..59315		

Seq. No.	48564	Seq. ID	OJ991122_07.0421.C5
Gene No.	103403	Strand	+
Start	202	End	1781
Name	OJ991122_07.0421.C5.o1.gs	Method	GENSCAN
Start	202	End	1781
GI	none	Score	.49
Exons	202..327, 682..742, 1519..1781		

Seq. No.	48564	Seq. ID	OJ991122_07.0421.C5
Gene No.	103404	Strand	-
Start	2276	End	2349
Name	OJ991122_07.0421.C5.o2.gs	Method	GENSCAN
Start	2276	End	2349
GI	none	Score	1
Exons	2276..2349		

Seq. No.	48565	Seq. ID	OJ991122_07.0421.C6
Gene No.	103405	Strand	+
Start	1	End	1325
Name	OJ991122_07.0421.C6.o1.np	Method	AAT/NAP
Start	1	End	1325
GI	4680186	Score	199
Exons	1..240, 1072..1325		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48565	Seq. ID	OJ991122_07.0421.C6
Gene No.	103406	Strand	+
Start	11532	End	11971
Name	OJ991122_07.0421.C6.o1.gp	Method	AAT/GAP
Start	11532	End	11971
GI	4715238	Score	659
Exons	11532..11576, 11660..11971		

Seq. No.	48565	Seq. ID	OJ991122_07.0421.C6
Gene No.	103407	Strand	-
Start	24	End	7084
Name	OJ991122_07.0421.C6.o1.gs	Method	GENSCAN
Start	24	End	7084
GI	none	Score	.84
Exons	24..71, 112..396, 2177..2288, 2333..2424, 2519..2633, 3038..3123, 3529..3565, 6350..6409, 6527..7084		

Seq. No.	48565	Seq. ID	OJ991122_07.0421.C6
Gene No.	103407	Strand	-
Start	24	End	7084
Name	OJ991122_07.0421.C6.o2.np	Method	AAT/NAP
Start	286	End	2866
GI	7340881	Score	832
Exons	286..316, 422..529, 1972..2277, 2333..2424, 2519..2643, 2780..2866		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48565	Seq. ID	OJ991122_07.0421.C6
Gene No.	103408	Strand	-

Start	16421	End	18523
Name	OJ991122_07.0421.C6.o3.np	Method	AAT/NAP
Start	16421	End	18424
GI	6553935	Score	522
Exons	16421..17271, 18234..18424		
GI Descrip.	(AC011915) putative tRNA isopentenyl transferase [Arabidopsis thaliana]		

Seq. No.	48565	Seq. ID	OJ991122_07.0421.C6
Gene No.	103408	Strand	-
Start	16421	End	18523
Name	OJ991122_07.0421.C6.o3.gs	Method	GENSCAN
Start	17577	End	18523
GI	none	Score	.43
Exons	17577..17710, 17792..17907, 17949..18065, 18198..18523		

Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103409	Strand	+
Start	1802	End	4906
Name	OJ991122_07.0421.C7.o1.gs	Method	GENSCAN
Start	1802	End	4906
GI	none	Score	.56
Exons	1802..1869, 1993..2161, 3042..3167, 3257..3352, 4796..4906		

Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103410	Strand	+
Start	7243	End	7652
Name	OJ991122_07.0421.C7.o2.gs	Method	GENSCAN
Start	7243	End	7652
GI	none	Score	.56
Exons	7243..7257, 7417..7455, 7509..7652		

Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103411	Strand	+
Start	13953	End	14379
Name	OJ991122_07.0421.C7.o5.gs	Method	GENSCAN
Start	13953	End	14379
GI	none	Score	.46
Exons	13953..14078, 14272..14379		

Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103411	Strand	+
Start	13953	End	14379
Name	OJ991122_07.0421.C7.o2.gp	Method	AAT/GAP
Start	13972	End	14301
GI	LIB3431-002-P1-N1-A10	Score	653
Exons	13972..14301		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103412	Strand	-
Start	9210	End	11741
Name	OJ991122_07.0421.C7.o1.gp	Method	AAT/GAP
Start	9210	End	11741
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	9210..9230, 9815..9897, 11716..11741		

GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103413	Strand	-
Start	12759	End	12953
Name	OJ991122_07.0421.C7.o4.gs	Method	GENSCAN
Start	12759	End	12953
GI	none	Score	.65
Exons	12759..12953		
Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103414	Strand	-
Start	13191	End	19097
Name	OJ991122_07.0421.C7.o1.np	Method	AAT/NAP
Start	13191	End	19088
GI	6692258	Score	934
Exons	13191..13223, 15563..15649, 15765..16057, 16135..16291, 16451..16608, 16654..16820, 17422..17554, 17653..18130, 18351..18826, 18873..19088		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		
Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103414	Strand	-
Start	13191	End	19097
Name	OJ991122_07.0421.C7.o6.gs	Method	GENSCAN
Start	14872	End	19097
GI	none	Score	.99
Exons	14872..14967, 15044..15133, 15590..15649, 15765..16057, 16135..16291, 16451..16795, 17424..17554, 17653..18130, 18351..19097		
Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103415	Strand	-
Start	20192	End	25495
Name	OJ991122_07.0421.C7.o1.tc	Method	TBLASTX:Cress
Start	15590	End	16784
GI	none	Score	48
Exons	15590..15652, 15603..15650, 15751..15819, 15763..16059, 15765..16058, 15765..16061, 15859..16059, 16133..16291, 16145..16249, 16236..16274, 16451..16600, 16500..16784, 16646..16783		
Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103415	Strand	-
Start	20192	End	25495
Name	OJ991122_07.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	15765	End	16600
GI	none	Score	91
Exons	15765..16064, 15840..16058, 15859..16080, 16133..16291, 16454..16600		
Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103415	Strand	-
Start	20192	End	25495
Name	OJ991122_07.0421.C7.o1.tm	Method	TBLASTX:Maize

Start	15826	End	16302
GI	none	Score	282
Exons	15826..16056, 15849..16061, 15859..16059, 16133..16282, 16135..16302, 16142..16282		

Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103415	Strand	-
Start	20192	End	25495
Name	OJ991122_07.0421.C7.o1.tw	Method	TBLASTX:Wheat
Start	15886	End	16300
GI	none	Score	152
Exons	15886..16080, 15888..16064, 16133..16300		

Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103415	Strand	-
Start	20192	End	25495
Name	OJ991122_07.0421.C7.o2.tm	Method	TBLASTX:Maize
Start	17651	End	18127
GI	none	Score	131
Exons	17651..17875, 17652..17843, 18056..18127		

Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103415	Strand	-
Start	20192	End	25495
Name	OJ991122_07.0421.C7.o7.gs	Method	GENSCAN
Start	20192	End	25495
GI	none	Score	.49
Exons	20192..20674, 20921..21043, 22900..23571, 23839..23864, 24070..25495		

Seq. No.	48566	Seq. ID	OJ991122_07.0421.C7
Gene No.	103415	Strand	-
Start	20192	End	25495
Name	OJ991122_07.0421.C7.o3.tm	Method	TBLASTX:Maize
Start	24062	End	24592
GI	none	Score	126
Exons	24062..24268, 24066..24338, 24068..24334, 24338..24364, 24368..24436, 24368..24436, 24446..24592		

Seq. No.	48567	Seq. ID	OJ991122_06.0421.C1
Gene No.	103416	Strand	+
Start	1914	End	4838
Name	OJ991122_06.0421.C1.o1.np	Method	AAT/NAP
Start	1914	End	4838
GI	7488195	Score	309
Exons	1914..2770, 4820..4838		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.70 - Arabidopsis thaliana gi|3021270|emb|CAA18465.1| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7269165|emb|CAB79273.1| (AL161558) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48567	Seq. ID	OJ991122_06.0421.C1
Gene No.	103416	Strand	+
Start	1914	End	4838
Name	OJ991122_06.0421.C1.o2.gs	Method	GENSCAN
Start	1914	End	3055

GI	none	Score	.92
Exons	1914..2742, 3030..3055		
Seq. No.	48567	Seq. ID	OJ991122_06.0421.C1
Gene No.	103417	Strand	-
Start	426	End	1508
Name	OJ991122_06.0421.C1.o1.gs	Method	GENSCAN
Start	426	End	1508
GI	none	Score	.98
Exons	426..548, 668..1508		
Seq. No.	48567	Seq. ID	OJ991122_06.0421.C1
Gene No.	103418	Strand	-
Start	4129	End	4209
Name	OJ991122_06.0421.C1.o1.ts	Method	TBLASTX:Soybean
Start	756	End	2642
GI	none	Score	63
Exons	756..926, 799..912, 2019..2078, 2130..2444, 2487..2642		
Seq. No.	48567	Seq. ID	OJ991122_06.0421.C1
Gene No.	103418	Strand	-
Start	4129	End	4209
Name	OJ991122_06.0421.C1.o1.tc	Method	TBLASTX:Cress
Start	1131	End	2318
GI	none	Score	216
Exons	1131..1202, 1263..1301, 1995..2318		
Seq. No.	48567	Seq. ID	OJ991122_06.0421.C1
Gene No.	103418	Strand	-
Start	4129	End	4209
Name	OJ991122_06.0421.C1.o1.tm	Method	TBLASTX:Maize
Start	1263	End	2228
GI	none	Score	238
Exons	1263..1304, 1392..1424, 1995..2228, 1997..2197		
Seq. No.	48567	Seq. ID	OJ991122_06.0421.C1
Gene No.	103418	Strand	-
Start	4129	End	4209
Name	OJ991122_06.0421.C1.o1.gp	Method	AAT/GAP
Start	4129	End	4209
GI	90742_1.R1084	Score	102
Exons	4129..4209		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	48568	Seq. ID	OJ991122_06.0421.C2
Gene No.	103419	Strand	+
Start	1	End	3324
Name	OJ991122_06.0421.C2.o1.np	Method	AAT/NAP
Start	1	End	3324
GI	7488195	Score	847
Exons	1..34, 895..1021, 1104..1314, 1434..1671, 1773..1923, 2017..2291, 3286..3324		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.70 - Arabidopsis thaliana gi|3021270|emb|CAA18465.1| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7269165|emb|CAB79273.1| (AL161558) serine/threonine		

kinase-like protein [Arabidopsis thaliana]

Seq. No.	48568	Seq. ID	OJ991122_06.0421.C2
Gene No.	103419	Strand	+
Start	1	End	3324
Name	OJ991122_06.0421.C2.o1.gs	Method	GENSCAN
Start	769	End	2381
GI	none	Score	.96
Exons	769..802, 882..1021, 1104..1314, 1434..1534, 1773..1923, 2017..2381		

Seq. No.	48568	Seq. ID	OJ991122_06.0421.C2
Gene No.	103420	Strand	-
Start	3271	End	5603
Name	OJ991122_06.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	910	End	4799
GI	none	Score	95
Exons	910..1014, 929..1018, 1101..1325, 1103..1312, 1400..1669, 1433..1642, 1453..1668, 1777..1929, 1779..1880, 2029..2235, 2088..2237, 3386..3526, 3424..3597, 3430..3576, 3724..3852, 3746..3844, 3749..3853, 3918..4151, 3934..4242, 3935..4171, 4389..4610, 4402..4599, 4685..4798, 4686..4799		

Seq. No.	48568	Seq. ID	OJ991122_06.0421.C2
Gene No.	103420	Strand	-
Start	3271	End	5603
Name	OJ991122_06.0421.C2.o1.ts	Method	TBLASTX:Soybean
Start	919	End	4808
GI	none	Score	91
Exons	919..1014, 938..1018, 1101..1325, 1103..1300, 1433..1669, 1453..1623, 1773..1919, 1774..1920, 1998..2228, 2020..2223, 3271..3345, 3406..3606, 3424..3618, 3709..3855, 3749..3856, 3766..3903, 3916..4116, 3934..4227, 3935..4171, 4380..4601, 4390..4599, 4685..4807, 4686..4808		

Seq. No.	48568	Seq. ID	OJ991122_06.0421.C2
Gene No.	103420	Strand	-
Start	3271	End	5603
Name	OJ991122_06.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	932	End	4769
GI	none	Score	89
Exons	932..1018, 937..1020, 955..1023, 1101..1313, 1101..1313, 1102..1314, 1453..1671, 1454..1669, 1773..1880, 1774..1917, 2019..2186, 2020..2187, 2167..2238, 3439..3606, 3448..3537, 3712..3855, 3740..3856, 3918..4145, 3932..4216, 3934..4149, 4389..4601, 4390..4599, 4685..4768, 4692..4769		

Seq. No.	48568	Seq. ID	OJ991122_06.0421.C2
Gene No.	103420	Strand	-
Start	3271	End	5603
Name	OJ991122_06.0421.C2.o2.tw	Method	TBLASTX:Wheat
Start	1101	End	4601
GI	none	Score	224
Exons	1101..1328, 1101..1322, 1433..1495, 4108..4242, 4372..4599, 4389..4601		

Seq. No.	48568	Seq. ID	OJ991122_06.0421.C2

Gene No.	103420	Strand	-
Start	3271	End	5603
Name	OJ991122_06.0421.C2.o1.tw	Method	TBLASTX:Wheat
Start	1495	End	4108
GI	none	Score	221
Exons	1495..1668, 1496..1669, 1502..1669, 1773..1880, 1774..1893, 3712..3855, 3731..3856, 3934..4107, 3935..4108		

Seq. No.	48568	Seq. ID	OJ991122_06.0421.C2
Gene No.	103420	Strand	-
Start	3271	End	5603
Name	OJ991122_06.0421.C2.o2.gs	Method	GENSCAN
Start	3271	End	5137
GI	none	Score	.84
Exons	3271..3609, 3706..3856, 3932..4169, 4388..4646, 4685..4818, 5003..5137		

Seq. No.	48568	Seq. ID	OJ991122_06.0421.C2
Gene No.	103420	Strand	-
Start	3271	End	5603
Name	OJ991122_06.0421.C2.o2.np	Method	AAT/NAP
Start	3274	End	5603
GI	7488195	Score	870
Exons	3274..3609, 3706..3856, 3932..4169, 4388..4598, 4685..4803, 5529..5603		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.70 - Arabidopsis thaliana gi|3021270|emb|CAA18465.1| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7269165|emb|CAB79273.1| (AL161558) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48568	Seq. ID	OJ991122_06.0421.C2
Gene No.	103420	Strand	-
Start	3271	End	5603
Name	OJ991122_06.0421.C2.o1.gp	Method	AAT/GAP
Start	3398	End	3968
GI	429002	Score	701
Exons	3398..3609, 3708..3856, 3932..3968		
GI Descrip.	322652/pir||JQ1677 9.0e-22 S-receptor kinase (EC 2.7.1.-) precursor - rape >gi_167181 (M97667) serine/threonine kinase receptor [Brassica napus]		

Seq. No.	48569	Seq. ID	OJ991122_06.0421.C3
Gene No.	103421	Strand	+
Start	704	End	1581
Name	OJ991122_06.0421.C3.o1.gs	Method	GENSCAN
Start	704	End	1581
GI	none	Score	.73
Exons	704..1581		

Seq. No.	48569	Seq. ID	OJ991122_06.0421.C3
Gene No.	103422	Strand	-
Start	2119	End	8157
Name	OJ991122_06.0421.C3.o1.tc	Method	TBLASTX:Cress
Start	808	End	6592
GI	none	Score	91
Exons	808..957, 1141..1185, 1294..1440, 5315..5455, 5377..5526,		

5626..5787, 5684..5791, 5705..5779, 5858..6088, 5869..6093,
5871..6113, 5872..6066, 6187..6399, 6200..6397, 6223..6399,
6477..6530, 6478..6591, 6479..6592

Seq. No.	48569	Seq. ID	OJ991122_06.0421.C3
Gene No.	103422	Strand	-
Start	2119	End	8157
Name	OJ991122_06.0421.C3.o2.tm	Method	TBLASTX:Maize
Start	1180	End	1453
GI	none	Score	112
Exons	1180..1278, 1282..1452, 1286..1453		

Seq. No.	48569	Seq. ID	OJ991122_06.0421.C3
Gene No.	103422	Strand	-
Start	2119	End	8157
Name	OJ991122_06.0421.C3.o2.gs	Method	GENSCAN
Start	2119	End	8096
GI	none	Score	.86
Exons	2119..2372, 5250..5538, 5641..5791, 5869..6106, 6129..6396, 6478..6611, 6766..6900, 8009..8096		

Seq. No.	48569	Seq. ID	OJ991122_06.0421.C3
Gene No.	103422	Strand	-
Start	2119	End	8157
Name	OJ991122_06.0421.C3.o1.gp	Method	AAT/GAP
Start	4939	End	5336
GI	568488	Score	727
Exons	4939..5336		

Seq. No.	48569	Seq. ID	OJ991122_06.0421.C3
Gene No.	103422	Strand	-
Start	2119	End	8157
Name	OJ991122_06.0421.C3.o1.ts	Method	TBLASTX:Soybean
Start	5191	End	6601
GI	none	Score	108
Exons	5191..5265, 5305..5535, 5377..5553, 5421..5555, 5644..5790, 5699..5791, 5871..6113, 5872..6066, 6160..6399, 6188..6397, 6478..6594, 6479..6601		

Seq. No.	48569	Seq. ID	OJ991122_06.0421.C3
Gene No.	103422	Strand	-
Start	2119	End	8157
Name	OJ991122_06.0421.C3.o1.np	Method	AAT/NAP
Start	5194	End	8157
GI	7488195	Score	886
Exons	5194..5538, 5641..5791, 5869..6106, 6186..6396, 6478..6649, 8020..8157		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.70 - Arabidopsis thaliana gi|3021270|emb|CAA18465.1| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7269165|emb|CAB79273.1| (AL161558) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48569	Seq. ID	OJ991122_06.0421.C3
Gene No.	103422	Strand	-
Start	2119	End	8157
Name	OJ991122_06.0421.C3.o2.gp	Method	AAT/GAP

Start	5327	End	5775
GI	429002	Score	552
Exons	5327..5538, 5643..5775		
GI Descrip.	322652/pir||JQ1677 9.0e-22 S-receptor kinase (EC 2.7.1.-) precursor - rape >gi_167181 (M97667) serine/threonine kinase receptor [Brassica napus]		

Seq. No.	48569	Seq. ID	OJ991122_06.0421.C3
Gene No.	103422	Strand	-
Start	2119	End	8157
Name	OJ991122_06.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	5377	End	6562
GI	none	Score	76
Exons	5377..5466, 5377..5535, 5647..5790, 5699..5791, 5869..6063, 5871..6086, 6187..6399, 6188..6397, 6478..6561, 6485..6562		

Seq. No.	48569	Seq. ID	OJ991122_06.0421.C3
Gene No.	103422	Strand	-
Start	2119	End	8157
Name	OJ991122_06.0421.C3.o1.tw	Method	TBLASTX:Wheat
Start	5647	End	6045
GI	none	Score	82
Exons	5647..5790, 5699..5791, 5871..6044, 5872..6045		

Seq. No.	48569	Seq. ID	OJ991122_06.0421.C3
Gene No.	103422	Strand	-
Start	2119	End	8157
Name	OJ991122_06.0421.C3.o2.tw	Method	TBLASTX:Wheat
Start	6045	End	6399
GI	none	Score	157
Exons	6045..6113, 6187..6399, 6188..6397, 6199..6399		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103423	Strand	+
Start	5157	End	8101
Name	OJ991122_06.0421.C4.o2.np	Method	AAT/NAP
Start	5157	End	8101
GI	4680186	Score	200
Exons	5157..5188, 6533..6698, 7273..7410, 8029..8101		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103424	Strand	+
Start	8555	End	10228
Name	OJ991122_06.0421.C4.o3.np	Method	AAT/NAP
Start	8555	End	10228
GI	6983857	Score	486
Exons	8555..8673, 8736..9328, 9419..9505, 9765..10228		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103425	Strand	-
Start	7	End	524
Name	OJ991122_06.0421.C4.o1.gs	Method	GENSCAN
Start	7	End	524
GI	none	Score	.98
Exons	7..524		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103426	Strand	-
Start	835	End	6290
Name	OJ991122_06.0421.C4.o1.gp	Method	AAT/GAP
Start	835	End	1292
GI	5667174	Score	856
Exons	835..1292		
GI Descrip.	3021268/emb|CAA18463.1| 5.0e-17 (AL022347) putative protein [Arabidopsis thaliana]		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103426	Strand	-
Start	835	End	6290
Name	OJ991122_06.0421.C4.o2.gs	Method	GENSCAN
Start	937	End	5457
GI	none	Score	.7
Exons	937..1281, 1401..1551, 1644..1816, 2552..2673, 4608..5457		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103426	Strand	-
Start	835	End	6290
Name	OJ991122_06.0421.C4.o1.np	Method	AAT/NAP
Start	940	End	6290
GI	7488195	Score	795
Exons	940..981, 1016..1281, 1401..1551, 1644..1874, 2254..2467, 2552..2667, 2820..2891, 4647..5426, 6248..6290		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.70 - Arabidopsis thaliana gi|3021270|emb|CAA18465.1| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7269165|emb|CAB79273.1| (AL161558) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103426	Strand	-
Start	835	End	6290
Name	OJ991122_06.0421.C4.o2.gp	Method	AAT/GAP
Start	5133	End	5507
GI	5667173	Score	732
Exons	5133..5507		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103427	Strand	-
Start	6836	End	7261
Name	OJ991122_06.0421.C4.o2.tm	Method	TBLASTX:Maize
Start	249	End	5391
GI	none	Score	104
Exons	249..320, 250..348, 355..456, 363..455, 5203..5391		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103427	Strand	-
Start	6836	End	7261
Name	OJ991122_06.0421.C4.o2.ts	Method	TBLASTX:Soybean
Start	1036	End	1285
GI	none	Score	98
Exons	1036..1284, 1076..1285		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103427	Strand	-
Start	6836	End	7261
Name	OJ991122_06.0421.C4.o3.tm	Method	TBLASTX:Maize
Start	1184	End	1551
GI	none	Score	123
Exons	1184..1213, 1207..1317, 1434..1550, 1450..1551		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103427	Strand	-
Start	6836	End	7261
Name	OJ991122_06.0421.C4.o1.ts	Method	TBLASTX:Soybean
Start	1447	End	1882
GI	none	Score	73
Exons	1447..1551, 1449..1550, 1688..1882, 1700..1861, 1707..1862		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103427	Strand	-
Start	6836	End	7261
Name	OJ991122_06.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	1643	End	1882
GI	none	Score	89
Exons	1643..1861, 1688..1882		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103427	Strand	-
Start	6836	End	7261
Name	OJ991122_06.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	1682	End	1861
GI	none	Score	95
Exons	1682..1861, 1703..1861		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103427	Strand	-
Start	6836	End	7261
Name	OJ991122_06.0421.C4.o1.tc	Method	TBLASTX:Cress
Start	1685	End	1882
GI	none	Score	125
Exons	1685..1882, 1704..1862		

Seq. No.	48570	Seq. ID	OJ991122_06.0421.C4
Gene No.	103427	Strand	-
Start	6836	End	7261
Name	OJ991122_06.0421.C4.o3.gp	Method	AAT/GAP
Start	6836	End	7261
GI	4878407	Score	679
Exons	6836..7261		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103428	Strand	+
Start	296	End	555
Name	OJ991122_06.0421.C5.o1.gs	Method	GENSCAN
Start	296	End	555
GI	none	Score	.63
Exons	296..555		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103429	Strand	+
Start	5853	End	6281
Name	OJ991122_06.0421.C5.o2.gp	Method	AAT/GAP
Start	5853	End	6281
GI	none	Score	854
Exons	5853..6281		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103430	Strand	+
Start	7743	End	8056
Name	OJ991122_06.0421.C5.o3.gp	Method	AAT/GAP
Start	7743	End	8056
GI	72524_1.R1084	Score	431
Exons	7743..8056		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103431	Strand	+
Start	9631	End	9786
Name	OJ991122_06.0421.C5.o3.gs	Method	GENSCAN
Start	9631	End	9786
GI	none	Score	.44
Exons	9631..9786		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103432	Strand	-
Start	1852	End	7384
Name	OJ991122_06.0421.C5.o1.np	Method	AAT/NAP
Start	1834	End	7384
GI	7488195	Score	1143
Exons	1834..2136, 2239..2389, 2472..2709, 2797..3007, 3089..3273, 6181..6896, 7285..7384		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.70 - Arabidopsis thaliana gi|3021270|emb|CAA18465.1| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7269165|emb|CAB79273.1| (AL161558) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103432	Strand	-
Start	1852	End	7384
Name	OJ991122_06.0421.C5.o2.gs	Method	GENSCAN
Start	1852	End	7005
GI	none	Score	.79
Exons	1852..2136, 2239..2389, 2472..2709, 2797..3007, 3089..3219, 3392..3517, 6135..7005		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103433	Strand	-
Start	7616	End	7796
Name	OJ991122_06.0421.C5.o2.np	Method	AAT/NAP
Start	7616	End	7796
GI	7106512	Score	112
Exons	7616..7663, 7737..7796		

GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103434	Strand	-
Start	10075	End	12307
Name	OJ991122_06.0421.C5.o4.gs	Method	GENSCAN
Start	10075	End	12307
GI	none	Score	.46
Exons	10075..10222, 10385..10575, 10665..11208, 12228..12307		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103434	Strand	-
Start	10075	End	12307
Name	OJ991122_06.0421.C5.o3.np	Method	AAT/NAP
Start	10172	End	12187
GI	7106512	Score	1366
Exons	10172..10545, 10600..10899, 10989..11223, 11989..12187		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103435	Strand	-
Start	12802	End	17498
Name	OJ991122_06.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	1886	End	3163
GI	none	Score	78
Exons	1886..2050, 1903..2172, 2002..2139, 2242..2406, 2243..2389, 2474..2710, 2475..2666, 2528..2686, 2798..3010, 2799..3008, 3089..3163		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103435	Strand	-
Start	12802	End	17498
Name	OJ991122_06.0421.C5.o1.tc	Method	TBLASTX:Cress
Start	1895	End	6885
GI	none	Score	89
Exons	1895..2050, 1927..2124, 2218..2409, 2282..2383, 2474..2710, 2475..2654, 2798..3010, 2803..2982, 2811..3008, 3089..3163, 6352..6411, 6733..6885		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103435	Strand	-
Start	12802	End	17498
Name	OJ991122_06.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	1967	End	3163
GI	none	Score	82
Exons	1967..2104, 1999..2133, 2245..2388, 2282..2389, 2472..2654, 2474..2692, 2507..2692, 2798..3010, 2799..2987, 3089..3163		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103435	Strand	-
Start	12802	End	17498
Name	OJ991122_06.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	2245	End	2648
GI	none	Score	109
Exons	2245..2409, 2282..2389, 2474..2647, 2475..2648		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103435	Strand	-
Start	12802	End	17498
Name	OJ991122_06.0421.C5.o2.tw	Method	TBLASTX:Wheat
Start	2798	End	3010
GI	none	Score	163
Exons	2798..3010, 2799..2987		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103435	Strand	-
Start	12802	End	17498
Name	OJ991122_06.0421.C5.o2.tm	Method	TBLASTX:Maize
Start	6619	End	6903
GI	none	Score	108
Exons	6619..6669, 6724..6903, 6725..6901		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103435	Strand	-
Start	12802	End	17498
Name	OJ991122_06.0421.C5.o5.gs	Method	GENSCAN
Start	12802	End	17498
GI	none	Score	.45
Exons	12802..13113, 14178..14301, 15186..15271, 17463..17498		

Seq. No.	48571	Seq. ID	OJ991122_06.0421.C5
Gene No.	103435	Strand	-
Start	12802	End	17498
Name	OJ991122_06.0421.C5.o4.gp	Method	AAT/GAP
Start	13193	End	13504
GI	72524_1.R1084	Score	420
Exons	13193..13504		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	48572	Seq. ID	OJ991122_06.0421.C9
Gene No.	103436	Strand	-
Start	1	End	1075
Name	OJ991122_06.0421.C9.o1.np	Method	AAT/NAP
Start	1	End	1075
GI	5091513	Score	1574
Exons	1..1075		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	48572	Seq. ID	OJ991122_06.0421.C9
Gene No.	103436	Strand	-
Start	1	End	1075
Name	OJ991122_06.0421.C9.o1.gs	Method	GENSCAN
Start	32	End	904
GI	none	Score	.98
Exons	32..904		

Seq. No.	48573	Seq. ID	OJ991122_06.0421.C10
Gene No.	103437	Strand	+
Start	1	End	5296
Name	OJ991122_06.0421.C10.o1.gp	Method	AAT/GAP
Start	1	End	815

GI	5002953	Score	558
Exons	1..188, 668..815		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	48573	Seq. ID	OJ991122_06.0421.C10
Gene No.	103437	Strand	+
Start	1	End	5296
Name	OJ991122_06.0421.C10.o1.np	Method	AAT/NAP
Start	1	End	236
GI	6742729	Score	148
Exons	1..236		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	48573	Seq. ID	OJ991122_06.0421.C10
Gene No.	103437	Strand	+
Start	1	End	5296
Name	OJ991122_06.0421.C10.o1.tw	Method	TBLASTX:Wheat
Start	1	End	624
GI	none	Score	102
Exons	1..126, 6..122, 130..321, 168..305, 310..357, 361..402, 364..402, 426..503, 427..531, 532..624		

Seq. No.	48573	Seq. ID	OJ991122_06.0421.C10
Gene No.	103437	Strand	+
Start	1	End	5296
Name	OJ991122_06.0421.C10.o2.np	Method	AAT/NAP
Start	1	End	735
GI	4680203	Score	383
Exons	1..735		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	48573	Seq. ID	OJ991122_06.0421.C10
Gene No.	103437	Strand	+
Start	1	End	5296
Name	OJ991122_06.0421.C10.o1.gs	Method	GENSCAN
Start	91	End	5296
GI	none	Score	.86
Exons	91..679, 1026..1122, 1166..1253, 1437..2099, 2161..2375, 3464..3718, 3994..4736, 4839..5296		

Seq. No.	48573	Seq. ID	OJ991122_06.0421.C10
Gene No.	103437	Strand	+
Start	1	End	5296
Name	OJ991122_06.0421.C10.o3.np	Method	AAT/NAP
Start	1773	End	5287
GI	6979320	Score	1567
Exons	1773..2099, 2161..2472, 3147..3867, 3993..4189, 4322..4736, 4839..5287		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	48573	Seq. ID	OJ991122_06.0421.C10
Gene No.	103437	Strand	+
Start	1	End	5296
Name	OJ991122_06.0421.C10.o1.ts	Method	TBLASTX:Soybean
Start	4499	End	4912
GI	none	Score	150

Exons	4499..4747, 4838..4912		
Seq. No.	48574	Seq. ID	OJ991122_06.0421.C11
Gene No.	103438	Strand	+
Start	1129	End	1472
Name	OJ991122_06.0421.C11.o1.gs	Method	GENSCAN
Start	1129	End	1472
GI	none	Score	.84
Exons	1129..1258, 1347..1472		
Seq. No.	48575	Seq. ID	OJ991122_06.0421.C12
Gene No.	103439	Strand	+
Start	93	End	3469
Name	OJ991122_06.0421.C12.o1.gs	Method	GENSCAN
Start	93	End	3469
GI	none	Score	.54
Exons	93..365, 444..905, 987..1819, 1902..2072, 2239..2401, 2826..2864, 3404..3469		
Seq. No.	48575	Seq. ID	OJ991122_06.0421.C12
Gene No.	103439	Strand	+
Start	93	End	3469
Name	OJ991122_06.0421.C12.o1.gp	Method	AAT/GAP
Start	2228	End	2763
GI	LIB3431-001-P1-N1-B5	Score	695
Exons	2228..2410, 2516..2763		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	48575	Seq. ID	OJ991122_06.0421.C12
Gene No.	103440	Strand	+
Start	12786	End	16373
Name	OJ991122_06.0421.C12.o5.gs	Method	GENSCAN
Start	12786	End	16373
GI	none	Score	.77
Exons	12786..12868, 13714..13846, 13931..14078, 14171..14420, 14478..14806, 15466..15620, 16200..16373		
Seq. No.	48575	Seq. ID	OJ991122_06.0421.C12
Gene No.	103441	Strand	+
Start	19033	End	19139
Name	OJ991122_06.0421.C12.o2.gp	Method	AAT/GAP
Start	19033	End	19139
GI	5816518	Score	145
Exons	19033..19139		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	48575	Seq. ID	OJ991122_06.0421.C12
Gene No.	103442	Strand	+
Start	19147	End	22225
Name	OJ991122_06.0421.C12.o3.gp	Method	AAT/GAP
Start	19147	End	19375
GI	3761181	Score	335
Exons	19147..19375		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	48575	Seq. ID	OJ991122_06.0421.C12
Gene No.	103442	Strand	+
Start	19147	End	22225
Name	OJ991122_06.0421.C12.o1.np	Method	AAT/NAP
Start	19273	End	22225
GI	7106512	Score	2563
Exons	19273..19332, 19406..19708, 19828..20942, 21567..22225		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48575	Seq. ID	OJ991122_06.0421.C12
Gene No.	103443	Strand	-
Start	7836	End	8381
Name	OJ991122_06.0421.C12.o3.gs	Method	GENSCAN
Start	7836	End	8381
GI	none	Score	.97
Exons	7836..8381		

Seq. No.	48575	Seq. ID	OJ991122_06.0421.C12
Gene No.	103444	Strand	-
Start	16912	End	19068
Name	OJ991122_06.0421.C12.o6.gs	Method	GENSCAN
Start	16912	End	19068
GI	none	Score	.82
Exons	16912..17067, 17480..17646, 18626..18739, 18876..19068		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103445	Strand	+
Start	1	End	1266
Name	OJ991122_06.0421.C13.o1.np	Method	AAT/NAP
Start	1	End	1212
GI	7106512	Score	1444
Exons	1..1212		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103445	Strand	+
Start	1	End	1266
Name	OJ991122_06.0421.C13.o1.gs	Method	GENSCAN
Start	213	End	1266
GI	none	Score	.43
Exons	213..828, 839..1266		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103446	Strand	+
Start	3623	End	3851
Name	OJ991122_06.0421.C13.o2.gp	Method	AAT/GAP
Start	3623	End	3851
GI	3761181	Score	335
Exons	3623..3851		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103447	Strand	+

Start	6118	End	6705
Name	OJ991122_06.0421.C13.o4.gs	Method	GENSCAN
Start	6118	End	6705
GI	none	Score	.55
Exons	6118..6264, 6484..6705		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o5.np	Method	AAT/NAP
Start	1	End	18128
GI	5734709	Score	481
Exons	1..77, 8796..8941, 9443..9624, 10088..10317, 10976..11188, 11396..11539, 13415..13504, 16401..16906, 17206..17233, 17545..17899, 18095..18128		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o2.gs	Method	GENSCAN
Start	1955	End	2125
GI	none	Score	.95
Exons	1955..2125		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o1.gp	Method	AAT/GAP
Start	3509	End	3614
GI	5816518	Score	153
Exons	3509..3614		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o3.gs	Method	GENSCAN
Start	3917	End	4257
GI	none	Score	1
Exons	3917..4112, 4139..4257		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o5.gs	Method	GENSCAN
Start	8598	End	13491
GI	none	Score	.96
Exons	8598..8960, 9474..9624, 10088..10325, 10978..11188, 11240..11271, 11392..11589, 11713..11823, 12660..13491		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o2.np	Method	AAT/NAP

Start	8647	End	17146
GI	7428022	Score	787
Exons	8647..8960, 9474..9624, 10088..10325, 10978..11188, 11396..11564, 17069..17146		
GI Descrip.	S-receptor kinase (EC 2.7.1.-) KIK1 precursor - maize gi|2735017|gb|AAB93834.1| (U82481) KI domain interacting kinase 1 [Zea mays]		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o2.tm	Method	TBLASTX:Maize
Start	8730	End	9624
GI	none	Score	92
Exons	8730..8885, 8785..8880, 8907..8981, 9474..9623, 9474..9623, 9559..9624		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o1.ts	Method	TBLASTX:Soybean
Start	9522	End	11053
GI	none	Score	71
Exons	9522..9623, 9559..9624, 10090..10326, 10091..10171, 10093..10305, 10247..10306, 10979..11053		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o1.tc	Method	TBLASTX:Cress
Start	10090	End	11137
GI	none	Score	81
Exons	10090..10326, 10091..10165, 10111..10305, 10979..11131, 10979..11137		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o1.tm	Method	TBLASTX:Maize
Start	10090	End	11194
GI	none	Score	268
Exons	10090..10326, 10096..10326, 10145..10327, 10977..11168, 10979..11191, 10979..11194		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o1.tw	Method	TBLASTX:Wheat
Start	10096	End	11056
GI	none	Score	113
Exons	10096..10338, 10097..10306, 10975..11037, 10979..11056		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o3.np	Method	AAT/NAP
Start	12689	End	13521

GI	7485931	Score	185
Exons	12689..13521		
GI Descrip.	hypothetical protein F21C20.20 - Arabidopsis thaliana gi|5262207|emb|CAB45833.1| (AL080254) putative protein [Arabidopsis thaliana] gi|7268863|emb|CAB79067.1| (AL161553) putative protein [Arabidopsis thaliana]		

Seq. No.	48576	Seq. ID	OJ991122_06.0421.C13
Gene No.	103448	Strand	-
Start	1	End	18128
Name	OJ991122_06.0421.C13.o3.gp	Method	AAT/GAP
Start	15575	End	15776
GI	2796366	Score	391
Exons	15575..15776		

Seq. No.	48577	Seq. ID	OJ991122_06.0421.C14
Gene No.	103449	Strand	+
Start	57	End	1815
Name	OJ991122_06.0421.C14.o1.gs	Method	GENSCAN
Start	57	End	1815
GI	none	Score	.4
Exons	57..230, 1533..1622, 1714..1815		

Seq. No.	48577	Seq. ID	OJ991122_06.0421.C14
Gene No.	103450	Strand	+
Start	2141	End	9794
Name	OJ991122_06.0421.C14.o1.np	Method	AAT/NAP
Start	2141	End	9794
GI	4680184	Score	335
Exons	2141..2298, 2343..2545, 2602..3164, 6515..6715, 9722..9794		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48577	Seq. ID	OJ991122_06.0421.C14
Gene No.	103450	Strand	+
Start	2141	End	9794
Name	OJ991122_06.0421.C14.o2.gs	Method	GENSCAN
Start	2685	End	4811
GI	none	Score	.49
Exons	2685..2827, 2963..3164, 3588..3777, 3916..4493, 4650..4811		

Seq. No.	48577	Seq. ID	OJ991122_06.0421.C14
Gene No.	103450	Strand	+
Start	2141	End	9794
Name	OJ991122_06.0421.C14.o1.gp	Method	AAT/GAP
Start	5051	End	5131
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	5051..5131		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	48577	Seq. ID	OJ991122_06.0421.C14
Gene No.	103450	Strand	+
Start	2141	End	9794
Name	OJ991122_06.0421.C14.o2.gp	Method	AAT/GAP
Start	6243	End	6353
GI	uC-osf1cyp088b12b1	Score	154
Exons	6243..6353		

GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	48577	Seq. ID	OJ991122_06.0421.C14
Gene No.	103451	Strand	+
Start	12002	End	15020
Name	OJ991122_06.0421.C14.o4.gs	Method	GENSCAN
Start	12002	End	15020
GI	none	Score	.8
Exons	12002..13571, 14034..14233, 14546..14749, 14949..15020		
Seq. No.	48577	Seq. ID	OJ991122_06.0421.C14
Gene No.	103452	Strand	-
Start	5793	End	10325
Name	OJ991122_06.0421.C14.o2.np	Method	AAT/NAP
Start	5490	End	9925
GI	5107823	Score	169
Exons	5490..5542, 7819..8187, 9900..9925		
GI Descrip.	(AF149413) contains similarity to leucine rich repeats (Pfam PF00560, Score=225.3, E=9.2e-64, N=12); may be a pseudogene [Arabidopsis thaliana]		
Seq. No.	48577	Seq. ID	OJ991122_06.0421.C14
Gene No.	103452	Strand	-
Start	5793	End	10325
Name	OJ991122_06.0421.C14.o3.gs	Method	GENSCAN
Start	5793	End	10325
GI	none	Score	.73
Exons	5793..5881, 7764..8204, 8704..8783, 9313..10325		
Seq. No.	48577	Seq. ID	OJ991122_06.0421.C14
Gene No.	103453	Strand	-
Start	11795	End	11970
Name	OJ991122_06.0421.C14.o1.tc	Method	TBLASTX:Cress
Start	7828	End	8205
GI	none	Score	49
Exons	7828..8085, 7867..8049, 7867..8064, 7870..8064, 7873..8088, 7873..8076, 7873..8049, 7903..8079, 7927..8073, 7942..8076, 8104..8205, 8104..8178, 8104..8187, 8104..8199		
Seq. No.	48577	Seq. ID	OJ991122_06.0421.C14
Gene No.	103453	Strand	-
Start	11795	End	11970
Name	OJ991122_06.0421.C14.o2.tm	Method	TBLASTX:Maize
Start	7829	End	8188
GI	none	Score	158
Exons	7829..8062, 7858..8097, 7870..8052, 7871..7903, 7873..8076, 7882..8064, 7952..8050, 8104..8187, 8104..8133, 8111..8188		
Seq. No.	48577	Seq. ID	OJ991122_06.0421.C14
Gene No.	103453	Strand	-
Start	11795	End	11970
Name	OJ991122_06.0421.C14.o3.gp	Method	AAT/GAP
Start	11795	End	11970
GI	2800454	Score	242
Exons	11795..11970		

Seq. No.	48577	Seq. ID	OJ991122_06.0421.C14
Gene No.	103454	Strand	
Start	14963	End	15280
Name	OJ991122_06.0421.C14.o1.tm	Method	TBLASTX:Maize
Start	14963	End	15280
GI	none	Score	250
Exons	14963..15280		

Seq. No.	48578	Seq. ID	OJ991122_06.0421.C15
Gene No.	103455	Strand	+
Start	1	End	2105
Name	OJ991122_06.0421.C15.o1.np	Method	AAT/NAP
Start	1	End	2105
GI	4416302	Score	1798
Exons	1..2105		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	48578	Seq. ID	OJ991122_06.0421.C15
Gene No.	103455	Strand	+
Start	1	End	2105
Name	OJ991122_06.0421.C15.o3.tm	Method	TBLASTX:Maize
Start	5	End	393
GI	none	Score	72
Exons	5..46, 6..47, 19..246, 45..245, 52..246, 158..259, 241..393		

Seq. No.	48578	Seq. ID	OJ991122_06.0421.C15
Gene No.	103455	Strand	+
Start	1	End	2105
Name	OJ991122_06.0421.C15.o3.ts	Method	TBLASTX:Soybean
Start	5	End	393
GI	none	Score	63
Exons	5..43, 6..47, 46..252, 51..236, 255..374, 265..393		

Seq. No.	48578	Seq. ID	OJ991122_06.0421.C15
Gene No.	103455	Strand	+
Start	1	End	2105
Name	OJ991122_06.0421.C15.o1.ts	Method	TBLASTX:Soybean
Start	666	End	1235
GI	5509260	Score	630
Exons	666..833, 706..1233, 760..834, 852..1235		
GI Descrip.	-		

Seq. No.	48578	Seq. ID	OJ991122_06.0421.C15
Gene No.	103455	Strand	+
Start	1	End	2105
Name	OJ991122_06.0421.C15.o1.tw	Method	TBLASTX:Wheat
Start	750	End	1218
GI	none	Score	77
Exons	750..830, 751..834, 757..834, 874..1218, 882..1019, 1050..1217		

Seq. No.	48578	Seq. ID	OJ991122_06.0421.C15
Gene No.	103455	Strand	+
Start	1	End	2105
Name	OJ991122_06.0421.C15.o1.tc	Method	TBLASTX:Cress
Start	850	End	1116
GI	none	Score	245
Exons	850..1116, 855..1115		

Seq. No.	48578	Seq. ID	OJ991122_06.0421.C15
Gene No.	103455	Strand	+
Start	1	End	2105
Name	OJ991122_06.0421.C15.o2.tm	Method	TBLASTX:Maize
Start	897	End	1344
GI	none	Score	513
Exons	897..1334, 898..1344, 1039..1335		

Seq. No.	48578	Seq. ID	OJ991122_06.0421.C15
Gene No.	103455	Strand	+
Start	1	End	2105
Name	OJ991122_06.0421.C15.o2.ts	Method	TBLASTX:Soybean
Start	1377	End	1767
GI	none	Score	345
Exons	1377..1766, 1381..1767		

Seq. No.	48578	Seq. ID	OJ991122_06.0421.C15
Gene No.	103455	Strand	+
Start	1	End	2105
Name	OJ991122_06.0421.C15.o2.tw	Method	TBLASTX:Wheat
Start	1405	End	1821
GI	none	Score	103
Exons	1405..1557, 1585..1821, 1596..1820		

Seq. No.	48578	Seq. ID	OJ991122_06.0421.C15
Gene No.	103455	Strand	+
Start	1	End	2105
Name	OJ991122_06.0421.C15.o1.tm	Method	TBLASTX:Maize
Start	1588	End	2103
GI	none	Score	535
Exons	1588..2103, 1596..2099		

Seq. No.	48578	Seq. ID	OJ991122_06.0421.C15
Gene No.	103455	Strand	+
Start	1	End	2105
Name	OJ991122_06.0421.C15.o4.ts	Method	TBLASTX:Soybean
Start	1798	End	2100
GI	none	Score	132
Exons	1798..1995, 1800..1910, 2023..2100, 2028..2099		

Seq. No.	48579	Seq. ID	OJ991122_06.0421.C16
Gene No.	103456	Strand	-
Start	1	End	1110
Name	OJ991122_06.0421.C16.o1.np	Method	AAT/NAP
Start	1	End	1110
GI	4680203	Score	891
Exons	1..1110		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	48579	Seq. ID	OJ991122_06.0421.C16
Gene No.	103456	Strand	-
Start	1	End	1110
Name	OJ991122_06.0421.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	485
GI	none	Score	140
Exons	1..270, 6..281, 423..485		

Seq. No.	48579	Seq. ID	OJ991122_06.0421.C16
Gene No.	103456	Strand	-
Start	1	End	1110
Name	OJ991122_06.0421.C16.o2.tw	Method	TBLASTX:Wheat
Start	3	End	1064
GI	none	Score	52
Exons	3..92, 3..140, 4..141, 981..1064		

Seq. No.	48579	Seq. ID	OJ991122_06.0421.C16
Gene No.	103456	Strand	-
Start	1	End	1110
Name	OJ991122_06.0421.C16.o1.tc	Method	TBLASTX:Cress
Start	45	End	375
GI	none	Score	59
Exons	45..374, 46..120, 87..191, 142..201, 238..375		

Seq. No.	48579	Seq. ID	OJ991122_06.0421.C16
Gene No.	103456	Strand	-
Start	1	End	1110
Name	OJ991122_06.0421.C16.o1.ts	Method	TBLASTX:Soybean
Start	123	End	542
GI	none	Score	105
Exons	123..371, 127..372, 421..540, 423..542		

Seq. No.	48579	Seq. ID	OJ991122_06.0421.C16
Gene No.	103456	Strand	-
Start	1	End	1110
Name	OJ991122_06.0421.C16.o1.tw	Method	TBLASTX:Wheat
Start	141	End	821
GI	none	Score	64
Exons	141..266, 270..374, 280..375, 421..582, 423..821		

Seq. No.	48580	Seq. ID	OJ991112_06.0421.C1
Gene No.	103457	Strand	+
Start	1	End	908
Name	OJ991112_06.0421.C1.o1.np	Method	AAT/NAP
Start	1	End	536
GI	4539662	Score	656
Exons	1..536		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	48580	Seq. ID	OJ991112_06.0421.C1
Gene No.	103457	Strand	+
Start	1	End	908
Name	OJ991112_06.0421.C1.o1.ts	Method	TBLASTX:Soybean
Start	3	End	485
GI	none	Score	395
Exons	3..485, 83..478		

Seq. No.	48580	Seq. ID	OJ991112_06.0421.C1
Gene No.	103457	Strand	+
Start	1	End	908
Name	OJ991112_06.0421.C1.o1.tm	Method	TBLASTX:Maize
Start	15	End	479
GI	none	Score	39
Exons	15..77, 56..190, 57..185, 192..479, 213..479		

Seq. No.	48580	Seq. ID	OJ991112_06.0421.C1
Gene No.	103457	Strand	+
Start	1	End	908
Name	OJ991112_06.0421.C1.o1.tw	Method	TBLASTX:Wheat
Start	21	End	485
GI	none	Score	110
Exons	21..287, 306..485		

Seq. No.	48580	Seq. ID	OJ991112_06.0421.C1
Gene No.	103457	Strand	+
Start	1	End	908
Name	OJ991112_06.0421.C1.o1.gs	Method	GENSCAN
Start	94	End	908
GI	none	Score	.48
Exons	94..177, 304..431, 753..908		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103458	Strand	+
Start	10077	End	12876
Name	OJ991112_06.0421.C2.o2.gs	Method	GENSCAN
Start	10077	End	12876
GI	none	Score	.61
Exons	10077..10127, 10851..10977, 11074..11234, 11801..11875, 12271..12876		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103459	Strand	-
Start	4407	End	9506
Name	OJ991112_06.0421.C2.o1.np	Method	AAT/NAP
Start	4407	End	7492
GI	6630685	Score	4408
Exons	4407..7130, 7421..7492		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103459	Strand	-
Start	4407	End	9506
Name	OJ991112_06.0421.C2.o2.np	Method	AAT/NAP
Start	4413	End	9506
GI	4335731	Score	1433
Exons	4413..5988, 6028..6733, 6764..7541, 9464..9506		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103459	Strand	-
Start	4407	End	9506
Name	OJ991112_06.0421.C2.o4.np	Method	AAT/NAP
Start	7181	End	8274
GI	7340868	Score	44
Exons	7181..7400, 8158..8274		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103459	Strand	-

Start	4407	End	9506
Name	OJ991112_06.0421.C2.o3.np	Method	AAT/NAP
Start	7578	End	7893
GI	4416301	Score	99
Exons	7578..7893		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o2.tm	Method	TBLASTX:Maize
Start	4357	End	5079
GI	none	Score	589
Exons	4357..4590, 4369..5010, 4386..5009, 4991..5071, 4996..5079		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o2.ts	Method	TBLASTX:Soybean
Start	4422	End	5061
GI	none	Score	129
Exons	4422..4655, 4674..4967, 4675..4959, 4999..5061		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o2.tc	Method	TBLASTX:Cress
Start	4425	End	4880
GI	none	Score	80
Exons	4425..4637, 4477..4638, 4656..4790, 4794..4880		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o6.tw	Method	TBLASTX:Wheat
Start	4458	End	4925
GI	none	Score	57
Exons	4458..4646, 4462..4587, 4665..4925		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o5.tm	Method	TBLASTX:Maize
Start	5175	End	5609
GI	none	Score	288
Exons	5175..5468, 5176..5469, 5235..5471, 5327..5470, 5393..5608, 5394..5609		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o1.ts	Method	TBLASTX:Soybean
Start	5413	End	6019
GI	5509260	Score	48
Exons	5413..5463, 5415..5468, 5456..5779, 5459..5794, 5520..5795, 5789..6019, 5804..6019		
GI Descrip.	-		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o3.tw	Method	TBLASTX:Wheat
Start	5442	End	5878
GI	none	Score	214
Exons	5442..5468, 5455..5712, 5459..5773, 5463..5771, 5569..5775, 5804..5878		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o3.tc	Method	TBLASTX:Cress
Start	5531	End	5812
GI	none	Score	79
Exons	5531..5812, 5571..5810		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o3.tm	Method	TBLASTX:Maize
Start	5727	End	6050
GI	none	Score	340
Exons	5727..6044, 5729..6046, 5730..6050, 5732..6046		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	6053	End	6924
GI	none	Score	45
Exons	6053..6922, 6135..6176, 6180..6917, 6652..6924		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o5.tw	Method	TBLASTX:Wheat
Start	6158	End	6502
GI	none	Score	43
Exons	6158..6229, 6236..6406, 6260..6424, 6267..6413, 6413..6502, 6416..6481, 6426..6500		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o3.ts	Method	TBLASTX:Soybean
Start	6284	End	6745
GI	none	Score	158
Exons	6284..6745, 6435..6725		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	6287	End	6709
GI	none	Score	231

Exons	6287..6709		
Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o2.tw	Method	TBLASTX:Wheat
Start	6590	End	7151
GI	none	Score	166
Exons	6590..6841, 6591..6842, 6848..6871, 6856..6900, 6859..6966, 6882..7022, 6911..7150, 6927..7151		
Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o4.tm	Method	TBLASTX:Maize
Start	6926	End	7318
GI	none	Score	235
Exons	6926..7192, 6927..7199, 6928..7194, 7199..7318, 7203..7310		
Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o8.tw	Method	TBLASTX:Wheat
Start	7310	End	7540
GI	none	Score	68
Exons	7310..7540, 7326..7433, 7499..7540		
Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o7.tm	Method	TBLASTX:Maize
Start	7319	End	7660
GI	none	Score	162
Exons	7319..7561, 7320..7556, 7334..7573, 7480..7575, 7581..7658, 7586..7660, 7587..7658		
Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o3.gs	Method	GENSCAN
Start	13459	End	22923
GI	none	Score	.57
Exons	13459..14672, 14910..14943, 15240..15643, 15686..15961, 16007..16158, 16274..16764, 17376..18391, 18922..19102, 19449..19925, 21691..22050, 22234..22923		
Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o9.tw	Method	TBLASTX:Wheat
Start	13612	End	14001
GI	none	Score	169
Exons	13612..13668, 13699..14001		
Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135

Name	OJ991112_06.0421.C2.o5.ts	Method	TBLASTX:Soybean
Start	13645	End	13926
GI	none	Score	210
Exons	13645..13926		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o10.tm	Method	TBLASTX:Maize
Start	13699	End	14076
GI	none	Score	208
Exons	13699..14076		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o7.tw	Method	TBLASTX:Wheat
Start	14263	End	14661
GI	none	Score	81
Exons	14263..14532, 14572..14661		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o4.ts	Method	TBLASTX:Soybean
Start	14294	End	14707
GI	none	Score	117
Exons	14294..14548, 14296..14547, 14555..14707, 14569..14706, 14576..14707		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o5.np	Method	AAT/NAP
Start	14568	End	16784
GI	7248394	Score	1800
Exons	14568..15610, 15878..16784		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o6.tm	Method	TBLASTX:Maize
Start	15013	End	15473
GI	none	Score	92
Exons	15013..15261, 15014..15238, 15198..15473, 15202..15324, 15210..15473		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o7.ts	Method	TBLASTX:Soybean
Start	15198	End	15398

GI	none	Score	78
Exons	15198..15398, 15214..15306		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o1.tw	Method	TBLASTX:Wheat
Start	15342	End	15746
GI	none	Score	248
Exons	15342..15683, 15342..15695, 15385..15687, 15690..15746, 15700..15741		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o8.tm	Method	TBLASTX:Maize
Start	15474	End	15692
GI	none	Score	207
Exons	15474..15692, 15475..15687		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o6.ts	Method	TBLASTX:Soybean
Start	15543	End	15908
GI	none	Score	74
Exons	15543..15677, 15684..15908, 15718..15897		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o8.ts	Method	TBLASTX:Soybean
Start	16258	End	16656
GI	none	Score	197
Exons	16258..16656		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o6.np	Method	AAT/NAP
Start	19024	End	19775
GI	7248393	Score	449
Exons	19024..19320, 19423..19775		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o7.np	Method	AAT/NAP
Start	20206	End	24135
GI	7489737	Score	469
Exons	20206..20279, 21387..21906, 21949..22884, 24096..24135		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi|3645898|gb|AAC49501.1| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2

Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o9.tm	Method	TBLASTX:Maize
Start	22264	End	22665
GI	none	Score	65
Exons	22264..22665, 22414..22629		

Seq. No.	48581	Seq. ID	OJ991112_06.0421.C2
Gene No.	103460	Strand	-
Start	13459	End	24135
Name	OJ991112_06.0421.C2.o4.tw	Method	TBLASTX:Wheat
Start	22423	End	22818
GI	none	Score	60
Exons	22423..22809, 22718..22810, 22720..22818		

Seq. No.	48582	Seq. ID	OJ991112_06.0421.C3
Gene No.	103461	Strand	+
Start	1	End	724
Name	OJ991112_06.0421.C3.o1.np	Method	AAT/NAP
Start	1	End	724
GI	7444451	Score	479
Exons	1..285, 378..724		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	48582	Seq. ID	OJ991112_06.0421.C3
Gene No.	103462	Strand	-
Start	8	End	135
Name	OJ991112_06.0421.C3.o1.gs	Method	GENSCAN
Start	8	End	135
GI	none	Score	.54
Exons	8..31, 76..135		

Seq. No.	48582	Seq. ID	OJ991112_06.0421.C3
Gene No.	103463	Strand	
Start	451	End	723
Name	OJ991112_06.0421.C3.o1.ts	Method	TBLASTX:Soybean
Start	451	End	723
GI	5509260	Score	194
Exons	451..723, 588..719		
GI Descrip.	-		

Seq. No.	48582	Seq. ID	OJ991112_06.0421.C3
Gene No.	103463	Strand	
Start	451	End	723
Name	OJ991112_06.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	496	End	723
GI	none	Score	193
Exons	496..723, 504..719		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103464	Strand	+
Start	498	End	4584
Name	OJ991112_06.0421.C6.o1.gs	Method	GENSCAN
Start	498	End	4584
GI	none	Score	.65

Exons	498..602, 1358..1390, 2333..2476, 3444..3518, 4341..4427, 4549..4584		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103465	Strand	+
Start	5680	End	26108
Name	OJ991112_06.0421.C6.o2.np	Method	AAT/NAP
Start	5662	End	6687
GI	4508079	Score	1018
Exons	5662..6687		
GI Descrip.	(AC005882) 66284 [Arabidopsis thaliana]		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103465	Strand	+
Start	5680	End	26108
Name	OJ991112_06.0421.C6.o1.gp	Method	AAT/GAP
Start	5668	End	6206
GI	48919_1.R1084	Score	1045
Exons	5668..6206		
GI Descrip.	'4508079/gb|AAD21423.1| 2.0e-38 (AC005882) 66284 [Arabidopsis thaliana]'		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103465	Strand	+
Start	5680	End	26108
Name	OJ991112_06.0421.C6.o2.gs	Method	GENSCAN
Start	5680	End	6690
GI	none	Score	.41
Exons	5680..6690		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103465	Strand	+
Start	5680	End	26108
Name	OJ991112_06.0421.C6.o2.gp	Method	AAT/GAP
Start	6208	End	11863
GI	3004_1.R1084	Score	1074
Exons	6208..6742, 11804..11863		
GI Descrip.	'4508079/gb|AAD21423.1| 1.0e-46 (AC005882) 66284 [Arabidopsis thaliana]'		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103465	Strand	+
Start	5680	End	26108
Name	OJ991112_06.0421.C6.o3.np	Method	AAT/NAP
Start	11119	End	25020
GI	7228457	Score	1263
Exons	11119..11163, 13302..14973, 15028..16631, 16686..16896, 21392..21512, 24977..25020		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103465	Strand	+
Start	5680	End	26108
Name	OJ991112_06.0421.C6.o4.gs	Method	GENSCAN
Start	12937	End	15675

GI	none	Score	.5
Exons	12937..12986, 12988..13172, 13287..13400, 13452..13594, 14264..14366, 14689..14932, 15085..15131, 15205..15335, 15472..15675		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103465	Strand	+
Start	5680	End	26108
Name	OJ991112_06.0421.C6.o4.np	Method	AAT/NAP
Start	23210	End	26108
GI	7444451	Score	2266
Exons	23210..25878, 25950..26108		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103466	Strand	-
Start	15979	End	21521
Name	OJ991112_06.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	5770	End	6698
GI	none	Score	137
Exons	5770..5862, 5778..5861, 5853..6671, 5854..6672, 6219..6698, 6226..6696		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103466	Strand	-
Start	15979	End	21521
Name	OJ991112_06.0421.C6.o5.ts	Method	TBLASTX:Soybean
Start	5770	End	5979
GI	none	Score	78
Exons	5770..5850, 5856..5978, 5857..5979		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103466	Strand	-
Start	15979	End	21521
Name	OJ991112_06.0421.C6.o4.tw	Method	TBLASTX:Wheat
Start	5928	End	16604
GI	none	Score	157
Exons	5928..6053, 16198..16434, 16254..16427, 16449..16604, 16539..16604		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103466	Strand	-
Start	15979	End	21521
Name	OJ991112_06.0421.C6.o2.ts	Method	TBLASTX:Soybean
Start	5980	End	6267
GI	none	Score	129
Exons	5980..6087, 5997..6086, 6058..6090, 6091..6156, 6099..6266, 6100..6267		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103466	Strand	-
Start	15979	End	21521
Name	OJ991112_06.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	6271	End	6567
GI	none	Score	374

Exons	6271..6567, 6273..6557		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103466	Strand	-
Start	15979	End	21521
Name	OJ991112_06.0421.C6.o3.tw	Method	TBLASTX:Wheat
Start	14421	End	14875
GI	none	Score	126
Exons	14421..14582, 14426..14581, 14640..14729, 14641..14691, 14703..14864, 14768..14875		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103466	Strand	-
Start	15979	End	21521
Name	OJ991112_06.0421.C6.o2.tw	Method	TBLASTX:Wheat
Start	15057	End	15511
GI	none	Score	286
Exons	15057..15383, 15074..15385, 15353..15490, 15364..15510, 15365..15511		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103466	Strand	-
Start	15979	End	21521
Name	OJ991112_06.0421.C6.o3.tm	Method	TBLASTX:Maize
Start	15186	End	15517
GI	none	Score	191
Exons	15186..15383, 15216..15359, 15227..15382, 15365..15517		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103466	Strand	-
Start	15979	End	21521
Name	OJ991112_06.0421.C6.o6.tw	Method	TBLASTX:Wheat
Start	15689	End	16052
GI	none	Score	167
Exons	15689..15955, 15689..15751, 15729..15959, 15801..15956, 15954..16052, 15967..16050		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103466	Strand	-
Start	15979	End	21521
Name	OJ991112_06.0421.C6.o5.gs	Method	GENSCAN
Start	15979	End	21521
GI	none	Score	.49
Exons	15979..16137, 16282..16477, 16529..16590, 16725..16780, 16849..17008, 17466..17574, 17773..18217, 18298..18616, 18962..18985, 19058..19086, 20191..20254, 21228..21521		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103467	Strand	
Start	23306	End	23776
Name	OJ991112_06.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	23306	End	23731
GI	none	Score	96
Exons	23306..23413, 23335..23421, 23429..23731, 23470..23676		
Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103467	Strand	

Start	23306	End	23776
Name	OJ991112_06.0421.C6.o7.tw	Method	TBLASTX:Wheat
Start	23552	End	23776
GI	none	Score	199
Exons	23552..23776		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103468	Strand	
Start	24105	End	24475
Name	OJ991112_06.0421.C6.o1.tw	Method	TBLASTX:Wheat
Start	24105	End	24475
GI	none	Score	439
Exons	24105..24470, 24122..24475		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103468	Strand	
Start	24105	End	24475
Name	OJ991112_06.0421.C6.o4.tm	Method	TBLASTX:Maize
Start	24180	End	24475
GI	none	Score	261
Exons	24180..24470, 24182..24469, 24257..24475		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103469	Strand	
Start	24541	End	24954
Name	OJ991112_06.0421.C6.o3.ts	Method	TBLASTX:Soybean
Start	24541	End	24954
GI	none	Score	69
Exons	24541..24636, 24631..24762, 24784..24954		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103470	Strand	
Start	24996	End	25419
Name	OJ991112_06.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	24996	End	25407
GI	none	Score	176
Exons	24996..25262, 25267..25407		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103470	Strand	
Start	24996	End	25419
Name	OJ991112_06.0421.C6.o5.tm	Method	TBLASTX:Maize
Start	24996	End	25377
GI	none	Score	48
Exons	24996..25046, 25061..25243, 25068..25247, 25249..25377		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103470	Strand	
Start	24996	End	25419
Name	OJ991112_06.0421.C6.o4.ts	Method	TBLASTX:Soybean
Start	25002	End	25389
GI	none	Score	150
Exons	25002..25241, 25264..25389		

Seq. No.	48583	Seq. ID	OJ991112_06.0421.C6
Gene No.	103470	Strand	
Start	24996	End	25419

Name	OJ991112_06.0421.C6.o5.tw	Method	TBLASTX:Wheat
Start	25052	End	25419
GI	none	Score	144
Exons	25052..25243, 25065..25247, 25264..25419		

Seq. No.	48584	Seq. ID	OJ991112_06.0421.C7
Gene No.	103471	Strand	+
Start	1	End	2095
Name	OJ991112_06.0421.C7.o1.np	Method	AAT/NAP
Start	1	End	2095
GI	7444451	Score	1847
Exons	1..109, 613..2095		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	48584	Seq. ID	OJ991112_06.0421.C7
Gene No.	103471	Strand	+
Start	1	End	2095
Name	OJ991112_06.0421.C7.o1.gs	Method	GENSCAN
Start	19	End	2056
GI	none	Score	.75
Exons	19..70, 78..212, 236..386, 1117..1241, 1710..1867, 1934..2056		

Seq. No.	48584	Seq. ID	OJ991112_06.0421.C7
Gene No.	103471	Strand	+
Start	1	End	2095
Name	OJ991112_06.0421.C7.o2.tc	Method	TBLASTX:Cress
Start	706	End	961
GI	none	Score	128
Exons	706..822, 824..961, 826..942		

Seq. No.	48584	Seq. ID	OJ991112_06.0421.C7
Gene No.	103471	Strand	+
Start	1	End	2095
Name	OJ991112_06.0421.C7.o2.tw	Method	TBLASTX:Wheat
Start	753	End	1246
GI	none	Score	75
Exons	753..821, 754..822, 824..970, 901..966, 980..1078, 1070..1246		

Seq. No.	48584	Seq. ID	OJ991112_06.0421.C7
Gene No.	103471	Strand	+
Start	1	End	2095
Name	OJ991112_06.0421.C7.o2.ts	Method	TBLASTX:Soybean
Start	845	End	1168
GI	none	Score	136
Exons	845..982, 868..978, 985..1107, 986..1168		

Seq. No.	48584	Seq. ID	OJ991112_06.0421.C7
Gene No.	103471	Strand	+
Start	1	End	2095
Name	OJ991112_06.0421.C7.o2.tm	Method	TBLASTX:Maize
Start	875	End	1312
GI	none	Score	101
Exons	875..970, 898..966, 985..1161, 986..1312, 1219..1266		

Seq. No.	48584	Seq. ID	OJ991112_06.0421.C7

Gene No.	103471	Strand	+
Start	1	End	2095
Name	OJ991112_06.0421.C7.o3.tc	Method	TBLASTX:Cress
Start	1133	End	1381
GI	none	Score	198
Exons	1133..1381		

Seq. No.	48584	Seq. ID	OJ991112_06.0421.C7
Gene No.	103471	Strand	+
Start	1	End	2095
Name	OJ991112_06.0421.C7.o1.tw	Method	TBLASTX:Wheat
Start	1247	End	1684
GI	none	Score	427
Exons	1247..1684, 1247..1681, 1252..1683		

Seq. No.	48584	Seq. ID	OJ991112_06.0421.C7
Gene No.	103471	Strand	+
Start	1	End	2095
Name	OJ991112_06.0421.C7.o3.tm	Method	TBLASTX:Maize
Start	1381	End	1573
GI	none	Score	273
Exons	1381..1572, 1382..1573		

Seq. No.	48584	Seq. ID	OJ991112_06.0421.C7
Gene No.	103471	Strand	+
Start	1	End	2095
Name	OJ991112_06.0421.C7.o1.tc	Method	TBLASTX:Cress
Start	1427	End	2071
GI	none	Score	117
Exons	1427..1606, 1622..1711, 1720..1878, 1721..1843, 1877..2071		

Seq. No.	48584	Seq. ID	OJ991112_06.0421.C7
Gene No.	103471	Strand	+
Start	1	End	2095
Name	OJ991112_06.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	1448	End	2062
GI	none	Score	519
Exons	1448..2062, 1450..1575, 1642..1818, 1709..1963, 1870..2037		

Seq. No.	48584	Seq. ID	OJ991112_06.0421.C7
Gene No.	103471	Strand	+
Start	1	End	2095
Name	OJ991112_06.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	1574	End	2038
GI	none	Score	35
Exons	1574..1636, 1615..1749, 1616..1744, 1750..1800, 1751..2038, 1811..2035, 1852..2037		

Seq. No.	48585	Seq. ID	OJ991112_06.0421.C8
Gene No.	103472	Strand	+
Start	179	End	3261
Name	OJ991112_06.0421.C8.o1.np	Method	AAT/NAP
Start	179	End	3261
GI	2213632	Score	527
Exons	179..408, 1248..1779, 3245..3261		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	48585	Seq. ID	OJ991112_06.0421.C8
Gene No.	103472	Strand	+
Start	179	End	3261
Name	OJ991112_06.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	1269	End	1744
GI	none	Score	79
Exons	1269..1442, 1269..1574, 1270..1584, 1465..1581, 1580..1606, 1604..1639, 1627..1743, 1637..1675, 1673..1744, 1679..1744		

Seq. No.	48585	Seq. ID	OJ991112_06.0421.C8
Gene No.	103472	Strand	+
Start	179	End	3261
Name	OJ991112_06.0421.C8.o1.tw	Method	TBLASTX:Wheat
Start	1312	End	1732
GI	none	Score	225
Exons	1312..1497, 1323..1487, 1333..1497, 1335..1514, 1502..1570, 1507..1581, 1507..1584, 1600..1650, 1604..1732, 1614..1649, 1615..1722		

Seq. No.	48586	Seq. ID	OJ991112_06.0421.C9
Gene No.	103473	Strand	+
Start	345	End	1661
Name	OJ991112_06.0421.C9.o1.gs	Method	GENSCAN
Start	345	End	1501
GI	none	Score	.83
Exons	345..404, 459..574, 745..1501		

Seq. No.	48586	Seq. ID	OJ991112_06.0421.C9
Gene No.	103473	Strand	+
Start	345	End	1661
Name	OJ991112_06.0421.C9.o1.np	Method	AAT/NAP
Start	764	End	1661
GI	6907089	Score	1412
Exons	764..1661		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103474	Strand	+
Start	1	End	1934
Name	OJ991112_06.0421.C10.o1.np	Method	AAT/NAP
Start	1	End	1931
GI	6907089	Score	2249
Exons	1..30, 59..1931		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103474	Strand	+
Start	1	End	1934
Name	OJ991112_06.0421.C10.o1.gs	Method	GENSCAN
Start	67	End	1934
GI	none	Score	.61
Exons	67..251, 348..1934		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103475	Strand	+
Start	14169	End	15051
Name	OJ991112_06.0421.C10.o3.gs	Method	GENSCAN

Start	14169	End	15051
GI	none	Score	.93
Exons	14169..14282, 14467..15051		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103476	Strand	+
Start	17042	End	19898
Name	OJ991112_06.0421.C10.o4.np	Method	AAT/NAP
Start	17042	End	19898
GI	1083764	Score	118
Exons	17042..17219, 17518..17611, 18423..18780, 19434..19479, 19698..19898		
GI Descrip.	proline-rich proteoglycan 2 precursor, parotid - rat gi|310200|gb|AAA03074.1| (L17318) proline-rich proteoglycan [Rattus norvegicus]		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103476	Strand	+
Start	17042	End	19898
Name	OJ991112_06.0421.C10.o5.np	Method	AAT/NAP
Start	17046	End	19686
GI	7340909	Score	133
Exons	17046..17077, 18757..18976, 19302..19414, 19532..19686		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103477	Strand	+
Start	28026	End	33332
Name	OJ991112_06.0421.C10.o5.gs	Method	GENSCAN
Start	28026	End	33332
GI	none	Score	.76
Exons	28026..28066, 28116..28205, 31562..31611, 31691..31914, 31985..32042, 33223..33332		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103477	Strand	+
Start	28026	End	33332
Name	OJ991112_06.0421.C10.o2.gp	Method	AAT/GAP
Start	32947	End	33193
GI	3761181	Score	409
Exons	32947..33193		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103478	Strand	-
Start	2558	End	7945
Name	OJ991112_06.0421.C10.o2.gs	Method	GENSCAN
Start	2558	End	7945
GI	none	Score	.62
Exons	2558..3374, 3491..5108, 5244..6093, 6157..7544, 7637..7706, 7754..7825, 7934..7945		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103478	Strand	-
Start	2558	End	7945
Name	OJ991112_06.0421.C10.o2.np	Method	AAT/NAP

Start	2561	End	7542
GI	7228457	Score	7284
Exons	2561..4110, 4177..5136, 5259..6093, 6157..7542		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o5.tm	Method	TBLASTX:Maize
Start	2555	End	2701
GI	none	Score	126
Exons	2555..2701, 2562..2696		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o6.tw	Method	TBLASTX:Wheat
Start	2570	End	3172
GI	none	Score	77
Exons	2570..2695, 2574..2696, 2883..3167, 2888..3172		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o5.tw	Method	TBLASTX:Wheat
Start	3173	End	3553
GI	none	Score	181
Exons	3173..3439, 3204..3434, 3212..3439, 3433..3552, 3476..3553		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o3.tm	Method	TBLASTX:Maize
Start	3368	End	3690
GI	none	Score	56
Exons	3368..3439, 3381..3440, 3437..3661, 3439..3690		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o7.tw	Method	TBLASTX:Wheat
Start	3883	End	4195
GI	none	Score	62
Exons	3883..4143, 3994..4182, 4019..4195		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o2.ts	Method	TBLASTX:Soybean
Start	3943	End	4509
GI	5666795	Score	68
Exons	3943..4143, 4198..4335, 4411..4509		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10

Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o4.tw	Method	TBLASTX:Wheat
Start	4198	End	4656
GI	none	Score	88
Exons	4198..4347, 4199..4336, 4391..4612, 4408..4632, 4435..4656		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o1.ts	Method	TBLASTX:Soybean
Start	5065	End	5436
GI	none	Score	84
Exons	5065..5436, 5276..5419		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o2.tw	Method	TBLASTX:Wheat
Start	5095	End	5515
GI	none	Score	268
Exons	5095..5514, 5120..5515		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o2.tm	Method	TBLASTX:Maize
Start	5188	End	5572
GI	none	Score	212
Exons	5188..5571, 5207..5572		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	5599	End	5955
GI	none	Score	73
Exons	5599..5715, 5599..5955, 5609..5920		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o1.tw	Method	TBLASTX:Wheat
Start	5623	End	6085
GI	none	Score	217
Exons	5623..6084, 5629..6084, 5630..6085		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o3.ts	Method	TBLASTX:Soybean
Start	5680	End	6045
GI	none	Score	109
Exons	5680..5814, 5821..6045		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-

Start	16682	End	26659
Name	OJ991112_06.0421.C10.o3.tw	Method	TBLASTX:Wheat
Start	6250	End	6736
GI	none	Score	166
Exons	6250..6735, 6281..6541, 6563..6736		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o4.gs	Method	GENSCAN
Start	16682	End	26659
GI	none	Score	.44
Exons	16682..17334, 17349..17480, 18446..18523, 19040..19342, 19638..19653, 22161..22289, 26519..26659		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o1.gp	Method	AAT/GAP
Start	22008	End	26643
GI	24743_1.R1084	Score	820
Exons	22008..22289, 23944..24015, 26519..26643		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	48587	Seq. ID	OJ991112_06.0421.C10
Gene No.	103479	Strand	-
Start	16682	End	26659
Name	OJ991112_06.0421.C10.o4.tm	Method	TBLASTX:Maize
Start	22088	End	26659
GI	none	Score	78
Exons	22088..22180, 22088..22180, 22122..22187, 22180..22230, 22182..22289, 22190..22291, 23917..24015, 23942..24016, 23945..24028, 23949..24026, 26516..26659, 26516..26659		

Seq. No.	48588	Seq. ID	OJ991112_06.0421.C11
Gene No.	103480	Strand	+
Start	913	End	1570
Name	OJ991112_06.0421.C11.o1.np	Method	AAT/NAP
Start	913	End	1570
GI	7444451	Score	441
Exons	913..1570		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	48588	Seq. ID	OJ991112_06.0421.C11
Gene No.	103480	Strand	+
Start	913	End	1570
Name	OJ991112_06.0421.C11.o1.tc	Method	TBLASTX:Cress
Start	988	End	1470
GI	none	Score	69
Exons	988..1113, 1138..1470		

Seq. No.	48588	Seq. ID	OJ991112_06.0421.C11
Gene No.	103480	Strand	+
Start	913	End	1570

Name	OJ991112_06.0421.C11.o1.tm	Method	TBLASTX:Maize
Start	1009	End	1434
GI	none	Score	110
Exons	1009..1116, 1034..1114, 1132..1434, 1132..1278, 1167..1430		

Seq. No.	48588	Seq. ID	OJ991112_06.0421.C11
Gene No.	103480	Strand	+
Start	913	End	1570
Name	OJ991112_06.0421.C11.o1.tw	Method	TBLASTX:Wheat
Start	1231	End	1479
GI	none	Score	200
Exons	1231..1479, 1317..1451		

Seq. No.	48589	Seq. ID	OJ991112_06.0421.C12
Gene No.	103481	Strand	+
Start	45	End	458
Name	OJ991112_06.0421.C12.o1.gs	Method	GENSCAN
Start	45	End	458
GI	none	Score	.68
Exons	45..87, 362..458		

Seq. No.	48590	Seq. ID	OJ991112_06.0421.C13
Gene No.	103482	Strand	+
Start	317	End	652
Name	OJ991112_06.0421.C13.o1.gs	Method	GENSCAN
Start	317	End	652
GI	none	Score	.9
Exons	317..537, 588..652		

Seq. No.	48590	Seq. ID	OJ991112_06.0421.C13
Gene No.	103482	Strand	+
Start	317	End	652
Name	OJ991112_06.0421.C13.o1.gp	Method	AAT/GAP
Start	347	End	539
GI	20764_1.R1084	Score	336
Exons	347..539		
GI Descrip.	'4689108/gb|AAD27763.1|AF077030_1 7.0e-40 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]'		

Seq. No.	48590	Seq. ID	OJ991112_06.0421.C13
Gene No.	103482	Strand	+
Start	317	End	652
Name	OJ991112_06.0421.C13.o1.tw	Method	TBLASTX:Wheat
Start	384	End	542
GI	none	Score	198
Exons	384..542, 395..526		

Seq. No.	48590	Seq. ID	OJ991112_06.0421.C13
Gene No.	103482	Strand	+
Start	317	End	652
Name	OJ991112_06.0421.C13.o1.tm	Method	TBLASTX:Maize
Start	392	End	539
GI	none	Score	222
Exons	392..526, 393..539		

Seq. No.	48590	Seq. ID	OJ991112_06.0421.C13
Gene No.	103482	Strand	+
Start	317	End	652
Name	OJ991112_06.0421.C13.o1.tc	Method	TBLASTX:Cress
Start	395	End	539
GI	none	Score	189
Exons	395..523, 396..539		

Seq. No.	48590	Seq. ID	OJ991112_06.0421.C13
Gene No.	103482	Strand	+
Start	317	End	652
Name	OJ991112_06.0421.C13.o1.np	Method	AAT/NAP
Start	396	End	543
GI	6598578	Score	166
Exons	396..543		
GI Descrip.	(AC006228) F5J5.4 [Arabidopsis thaliana]		

Seq. No.	48590	Seq. ID	OJ991112_06.0421.C13
Gene No.	103482	Strand	+
Start	317	End	652
Name	OJ991112_06.0421.C13.o1.ts	Method	TBLASTX:Soybean
Start	396	End	533
GI	none	Score	193
Exons	396..533, 413..523		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103483	Strand	+
Start	8515	End	12104
Name	OJ991122_03.0421.C2.o3.gs	Method	GENSCAN
Start	8515	End	11830
GI	none	Score	.94
Exons	8515..8897, 8969..9383, 11669..11830		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103483	Strand	+
Start	8515	End	12104
Name	OJ991122_03.0421.C2.o1.gp	Method	AAT/GAP
Start	8619	End	12104
GI	1044_1.R1084	Score	2162
Exons	8619..8897, 8969..9383, 11669..12104		
GI Descrip.	'3024432/sp|O04861|PRC6_ORYSA 1.0e-127 PROTEASOME ALPHA SUBUNIT (MULTICATALYTIC ENDOPEPTIDASE COMPLEX ALPHA SUBUNIT) >gi_1930070 (U92540) proteasome alpha subunit [Oryza sativa]'		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103483	Strand	+
Start	8515	End	12104
Name	OJ991122_03.0421.C2.o2.np	Method	AAT/NAP
Start	8725	End	11827
GI	3024432	Score	1193
Exons	8725..8897, 8969..9383, 11669..11827		
GI Descrip.	PROTEASOME ALPHA SUBUNIT (MULTICATALYTIC ENDOPEPTIDASE COMPLEX ALPHA SUBUNIT) gi|1930070 (U92540) proteasome alpha subunit [Oryza sativa]		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103484	Strand	-

Start	508	End	4413
Name	OJ991122_03.0421.C2.o1.np	Method	AAT/NAP
Start	508	End	4413
GI	6539553	Score	6770
Exons	508..4413		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o2.tw	Method	TBLASTX:Wheat
Start	644	End	1120
GI	none	Score	353
Exons	644..1030, 682..1029, 1045..1119, 1047..1118, 1049..1120		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o5.ts	Method	TBLASTX:Soybean
Start	772	End	1113
GI	none	Score	83
Exons	772..981, 851..976, 1000..1113, 1007..1087		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o5.tm	Method	TBLASTX:Maize
Start	976	End	1315
GI	none	Score	206
Exons	976..1314, 977..1315		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o3.ts	Method	TBLASTX:Soybean
Start	1126	End	1471
GI	none	Score	124
Exons	1126..1470, 1271..1471		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o4.tw	Method	TBLASTX:Wheat
Start	1324	End	1869
GI	none	Score	48
Exons	1324..1530, 1334..1456, 1525..1869, 1549..1722		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o4.tm	Method	TBLASTX:Maize
Start	1405	End	1870
GI	none	Score	55
Exons	1405..1869, 1508..1618, 1552..1734, 1688..1870		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o2.ts	Method	TBLASTX:Soybean
Start	1540	End	2004
GI	5509260	Score	58
Exons	1540..2004, 1559..1618, 1691..1786, 1835..1903		
GI Descrip.	-		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o2.tc	Method	TBLASTX:Cress
Start	1651	End	1911
GI	none	Score	62
Exons	1651..1911, 1832..1909		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o1.tw	Method	TBLASTX:Wheat
Start	1924	End	2679
GI	none	Score	200
Exons	1924..2163, 1925..2083, 1941..2171, 1944..2141, 2192..2671, 2215..2679		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o3.tc	Method	TBLASTX:Cress
Start	2305	End	2694
GI	none	Score	112
Exons	2305..2499, 2512..2694		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o4.ts	Method	TBLASTX:Soybean
Start	2329	End	2727
GI	none	Score	38
Exons	2329..2502, 2456..2494, 2503..2727, 2549..2719		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o6.tm	Method	TBLASTX:Maize
Start	2515	End	2949
GI	none	Score	84
Exons	2515..2949, 2540..2740		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o6.tw	Method	TBLASTX:Wheat
Start	2680	End	2872
GI	none	Score	186

Exons	2680..2871, 2680..2871, 2681..2872		
Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o6.ts	Method	TBLASTX:Soybean
Start	2737	End	3123
GI	none	Score	90
Exons	2737..2985, 2968..3123		
Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o2.tm	Method	TBLASTX:Maize
Start	3150	End	3472
GI	none	Score	391
Exons	3150..3317, 3151..3465, 3152..3445, 3218..3472		
Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o3.tm	Method	TBLASTX:Maize
Start	3971	End	4284
GI	none	Score	297
Exons	3971..4276, 3973..4284		
Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o5.tw	Method	TBLASTX:Wheat
Start	4033	End	4419
GI	none	Score	258
Exons	4033..4419, 4034..4408		
Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	8710	End	11779
GI	none	Score	295
Exons	8710..8781, 8716..8898, 8718..8906, 8865..8915, 8917..9045, 8918..8992, 8927..9055, 8963..9385, 8964..9386, 11641..11730, 11663..11764, 11666..11779		
Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	8724	End	11749
GI	none	Score	285
Exons	8724..8897, 8725..8898, 8963..9385, 8964..9386, 11663..11749, 11668..11730		
Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o1.ts	Method	TBLASTX:Soybean

Start	8724	End	11776
GI	none	Score	278
Exons	8724..8897, 8725..8898, 8927..9058, 8963..9385, 8964..9386, 11663..11764, 11663..11776		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o3.tw	Method	TBLASTX:Wheat
Start	8724	End	9160
GI	none	Score	291
Exons	8724..8906, 8725..8898, 8865..8915, 8927..9055, 8963..9160, 8964..9158		

Seq. No.	48591	Seq. ID	OJ991122_03.0421.C2
Gene No.	103485	Strand	-
Start	14232	End	15934
Name	OJ991122_03.0421.C2.o4.gs	Method	GENSCAN
Start	14232	End	15934
GI	none	Score	.75
Exons	14232..14420, 14555..14598, 15155..15268, 15871..15934		

Seq. No.	48592	Seq. ID	OJ991122_03.0421.C3
Gene No.	103486	Strand	+
Start	2396	End	2497
Name	OJ991122_03.0421.C3.o2.np	Method	AAT/NAP
Start	2396	End	2497
GI	6721547	Score	90
Exons	2396..2497		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	48592	Seq. ID	OJ991122_03.0421.C3
Gene No.	103487	Strand	+
Start	2728	End	2829
Name	OJ991122_03.0421.C3.o3.np	Method	AAT/NAP
Start	2728	End	2829
GI	6721547	Score	74
Exons	2728..2829		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	48592	Seq. ID	OJ991122_03.0421.C3
Gene No.	103488	Strand	-
Start	1463	End	1790
Name	OJ991122_03.0421.C3.o1.np	Method	AAT/NAP
Start	1463	End	1790
GI	7510076	Score	96
Exons	1463..1790		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103489	Strand	+
Start	105	End	702
Name	OJ991122_03.0421.C4.o1.gs	Method	GENSCAN
Start	105	End	702
GI	none	Score	.82
Exons	105..215, 573..702		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103490	Strand	-
Start	2133	End	2940
Name	OJ991122_03.0421.C4.o1.gp	Method	AAT/GAP
Start	1890	End	2200
GI	2800368	Score	570
Exons	1890..2200		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103490	Strand	-
Start	2133	End	2940
Name	OJ991122_03.0421.C4.o2.gs	Method	GENSCAN
Start	2133	End	2940
GI	none	Score	.64
Exons	2133..2601, 2678..2940		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103490	Strand	-
Start	2133	End	2940
Name	OJ991122_03.0421.C4.o1.np	Method	AAT/NAP
Start	2136	End	2940
GI	127582	Score	856
Exons	2136..2601, 2678..2940		
GI Descrip.	MYB-RELATED PROTEIN ZM38 gi|82730|pir||S04899 transforming protein (myb) homolog (clone Zm38) - maize gi|227033|prf||1613412D myb-related gene Zm38 [Zea mays]		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103490	Strand	-
Start	2133	End	2940
Name	OJ991122_03.0421.C4.o2.gp	Method	AAT/GAP
Start	2324	End	2903
GI	LIB3434-018-P1-K1-F3	Score	959
Exons	2324..2601, 2678..2903		
GI Descrip.	'127582/sp|P20025|MYB3_MAIZE 2.0e-76 MYB-RELATED PROTEIN ZM38 >gi_82730_pir__S04899 transforming protein (myb) homolog (clone Zm38) - maize >gi_227033_prf__1613412D myb-related gene Zm38 [Zea mays]'		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103491	Strand	-
Start	4095	End	7317
Name	OJ991122_03.0421.C4.o3.gs	Method	GENSCAN
Start	4095	End	7317
GI	none	Score	.72
Exons	4095..4198, 4743..4826, 5690..5755, 7179..7317		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103492	Strand	-
Start	8791	End	10345
Name	OJ991122_03.0421.C4.o1.tc	Method	TBLASTX:Cress
Start	2133	End	2941
GI	none	Score	130
Exons	2133..2165, 2223..2264, 2352..2432, 2445..2603, 2491..2604, 2677..2940, 2679..2711, 2807..2941		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4

Gene No.	103492	Strand	-
Start	8791	End	10345
Name	OJ991122_03.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	2362	End	2941
GI	none	Score	135
Exons	2362..2397, 2487..2603, 2488..2604, 2518..2604, 2667..2711, 2677..2940, 2807..2941		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103492	Strand	-
Start	8791	End	10345
Name	OJ991122_03.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	2364	End	2941
GI	none	Score	38
Exons	2364..2390, 2364..2402, 2473..2604, 2475..2603, 2661..2711, 2677..2940, 2807..2941		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103492	Strand	-
Start	8791	End	10345
Name	OJ991122_03.0421.C4.o1.ts	Method	TBLASTX:Soybean
Start	2460	End	2941
GI	none	Score	142
Exons	2460..2603, 2461..2604, 2677..2940, 2807..2941		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103492	Strand	-
Start	8791	End	10345
Name	OJ991122_03.0421.C4.o4.gs	Method	GENSCAN
Start	8791	End	10205
GI	none	Score	.82
Exons	8791..8821, 9384..9586, 9928..10030, 10126..10205		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103492	Strand	-
Start	8791	End	10345
Name	OJ991122_03.0421.C4.o3.gp	Method	AAT/GAP
Start	9025	End	10345
GI	1748_1.R1084	Score	1492
Exons	9025..9586, 9928..10030, 10126..10205, 10297..10345		
GI Descrip.	'1019946 1.0e-116 (U37060) ascorbate peroxidase [Gossypium hirsutum]'		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103492	Strand	-
Start	8791	End	10345
Name	OJ991122_03.0421.C4.o2.tm	Method	TBLASTX:Maize
Start	9380	End	10345
GI	none	Score	49
Exons	9380..9502, 9381..9491, 9382..9492, 9398..9511, 9494..9589, 9504..9587, 9511..9588, 9524..9598, 9926..10036, 9927..10028, 9933..10037, 9934..10038, 10114..10206, 10125..10205, 10288..10344, 10289..10345		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103492	Strand	-
Start	8791	End	10345

Name	OJ991122_03.0421.C4.o2.np	Method	AAT/NAP
Start	9383	End	10345
GI	7484726	Score	467
Exons	9383..9586, 9928..10030, 10126..10205, 10297..10345		
GI Descrip.	L-ascorbate peroxidase (EC 1.11.1.11), glyoxysomal - upland cotton gi|1019946|gb|AAB52954.1| (U37060) ascorbate peroxidase [Gossypium hirsutum]		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103492	Strand	-
Start	8791	End	10345
Name	OJ991122_03.0421.C4.o2.tw	Method	TBLASTX:Wheat
Start	9476	End	10345
GI	none	Score	152
Exons	9476..9589, 9477..9587, 9923..10036, 9927..10028, 9933..10037, 9934..10038, 10114..10206, 10125..10205, 10288..10344, 10289..10345		

Seq. No.	48593	Seq. ID	OJ991122_03.0421.C4
Gene No.	103492	Strand	-
Start	8791	End	10345
Name	OJ991122_03.0421.C4.o2.tc	Method	TBLASTX:Cress
Start	9509	End	10345
GI	none	Score	95
Exons	9509..9589, 9519..9587, 9928..9990, 9934..10023, 9966..10037, 10114..10206, 10125..10205, 10288..10344, 10289..10345		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103493	Strand	+
Start	4061	End	8566
Name	OJ991122_03.0421.C5.o2.np	Method	AAT/NAP
Start	4037	End	8260
GI	6686900	Score	1874
Exons	4037..4339, 4443..4558, 4675..4741, 4922..5014, 5128..5271, 5472..5566, 5732..5837, 5940..6024, 6126..6244, 6354..6706, 6789..6898, 7015..7124, 7414..8260		
GI Descrip.	(AJ270310) putative beta-galactosidase [Arabidopsis thaliana]		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103493	Strand	+
Start	4061	End	8566
Name	OJ991122_03.0421.C5.o2.gs	Method	GENSCAN
Start	4061	End	8283
GI	none	Score	.99
Exons	4061..4342, 4446..4558, 4675..4741, 4922..5014, 5128..5271, 5472..5566, 5732..6024, 6126..6244, 6354..6706, 6789..6898, 7015..7124, 7414..8283		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103493	Strand	+
Start	4061	End	8566
Name	OJ991122_03.0421.C5.o2.gp	Method	AAT/GAP
Start	5128	End	5261
GI	uC-osflcyp035h06b1	Score	259
Exons	5128..5261		
GI Descrip.	'4510395/gb|AAD21482.1| 3.0e-11 (AC006587) putative beta-galactosidase precursor [Arabidopsis thaliana]'		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103493	Strand	+
Start	4061	End	8566
Name	OJ991122_03.0421.C5.o3.gp	Method	AAT/GAP
Start	6657	End	7604
GI	uC-osflcyp035g07b1	Score	822
Exons	6657..6706, 6789..6898, 7015..7124, 7414..7604		
GI Descrip.	'4467146/emb|CAB37515| 2.0e-26 (AL035540) galactosidase like protein [Arabidopsis thaliana]'		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103493	Strand	+
Start	4061	End	8566
Name	OJ991122_03.0421.C5.o4.gp	Method	AAT/GAP
Start	8110	End	8566
GI	3761852	Score	797
Exons	8110..8566		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103494	Strand	-
Start	511	End	2699
Name	OJ991122_03.0421.C5.o1.gp	Method	AAT/GAP
Start	511	End	2699
GI	1748_1.R1084	Score	893
Exons	511..559, 640..705, 866..915, 1374..1498, 2454..2699		
GI Descrip.	'1019946 1.0e-116 (U37060) ascorbate peroxidase [Gossypium hirsutum]'		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103494	Strand	-
Start	511	End	2699
Name	OJ991122_03.0421.C5.o1.np	Method	AAT/NAP
Start	511	End	2566
GI	3288066	Score	417
Exons	511..559, 640..705, 866..915, 1374..1498, 2454..2566		
GI Descrip.	(AJ006030) ascorbate peroxidase [Arabidopsis thaliana]		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103494	Strand	-
Start	511	End	2699
Name	OJ991122_03.0421.C5.o1.gs	Method	GENSCAN
Start	866	End	2566
GI	none	Score	.76
Exons	866..915, 1374..1498, 2454..2566		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o4.tm	Method	TBLASTX:Maize
Start	500	End	2646
GI	none	Score	83
Exons	500..562, 510..560, 640..690, 640..732, 863..916, 1375..1497, 1376..1510, 1385..1507, 2438..2584, 2456..2566, 2629..2646		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-

Start	9176	End	10972
Name	OJ991122_03.0421.C5.o2.tw	Method	TBLASTX:Wheat
Start	640	End	2569
GI	none	Score	79
Exons	640..690, 640..732, 863..916, 864..917, 1374..1508, 1375..1497, 1376..1510, 2438..2569, 2456..2566		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o2.tm	Method	TBLASTX:Maize
Start	4124	End	4744
GI	none	Score	327
Exons	4124..4339, 4133..4210, 4138..4347, 4443..4559, 4448..4558, 4673..4744, 4676..4744		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o2.ts	Method	TBLASTX:Soybean
Start	4157	End	6247
GI	none	Score	247
Exons	4157..4339, 4186..4338, 4434..4559, 4443..4559, 4675..4740, 4676..4741, 4928..5017, 5121..5249, 5123..5266, 5124..5291, 5125..5292, 5517..5561, 5732..5815, 5733..5837, 5912..5959, 5913..6002, 5979..6029, 6125..6247		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o1.tc	Method	TBLASTX:Cress
Start	4157	End	5008
GI	none	Score	241
Exons	4157..4339, 4180..4338, 4443..4559, 4451..4495, 4520..4570, 4675..4740, 4676..4741, 4925..5008		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o5.tm	Method	TBLASTX:Maize
Start	4928	End	5292
GI	none	Score	86
Exons	4928..5017, 4939..5013, 5123..5272, 5124..5141, 5125..5292, 5169..5261		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o3.tc	Method	TBLASTX:Cress
Start	5138	End	6244
GI	none	Score	58
Exons	5138..5212, 5161..5211, 5217..5285, 5221..5280, 5472..5564, 5477..5560, 5733..5837, 5738..5836, 5925..6029, 5939..6025, 6125..6244		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-

Start	9176	End	10972
Name	OJ991122_03.0421.C5.o3.tm	Method	TBLASTX:Maize
Start	5459	End	6142
GI	none	Score	122
Exons	5459..5563, 5463..5567, 5732..5836, 5735..5836, 5736..5837, 5912..6025, 5913..6029, 5928..6032, 5941..6045, 6125..6142		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	6143	End	8282
GI	none	Score	131
Exons	6143..6244, 6145..6246, 6145..6249, 6339..6512, 6340..6393, 6351..6710, 6353..6706, 6407..6712, 6652..6708, 6786..6899, 6787..6900, 6787..6900, 6981..7118, 6993..7121, 6998..7129, 7013..7126, 7413..7502, 7413..7538, 7414..7920, 7557..7916, 7755..7928, 7802..7927, 7925..7948, 7927..7950, 7989..8282, 7990..8250		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	7509	End	8318
GI	none	Score	75
Exons	7509..7589, 7516..7590, 7609..7920, 7611..7946, 8002..8196, 8013..8183, 8190..8318, 8203..8247		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o2.tc	Method	TBLASTX:Cress
Start	7603	End	8196
GI	none	Score	152
Exons	7603..7737, 7605..7718, 7737..7910, 7750..7938, 7993..8196		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	7800	End	8252
GI	none	Score	51
Exons	7800..7922, 7802..7864, 7802..7927, 7804..7923, 7926..7949, 7926..7955, 7927..7950, 7989..8048, 7989..8252, 7990..8250		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o5.gp	Method	AAT/GAP
Start	9176	End	10924
GI	533_1.R1084	Score	1259
Exons	9176..9627, 10156..10278, 10826..10924		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o3.gs	Method	GENSCAN
Start	9484	End	10924
GI	none	Score	.97
Exons	9484..9627, 10156..10278, 10826..10924		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o3.np	Method	AAT/NAP
Start	9502	End	10972
GI	113172	Score	419
Exons	9502..9627, 10156..10278, 10826..10972		
GI Descrip.	ACYL CARRIER PROTEIN III PRECURSOR (ACP III) gi|100561|pir||S17928 acyl carrier protein 3 - barley gi|166971 (M58754) acyl carrier protein III [Hordeum vulgare]		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o3.tw	Method	TBLASTX:Wheat
Start	9505	End	10870
GI	none	Score	105
Exons	9505..9627, 9506..9637, 9506..9634, 9510..9647, 10153..10278, 10154..10279, 10155..10280, 10826..10870, 10830..10868		

Seq. No.	48594	Seq. ID	OJ991122_03.0421.C5
Gene No.	103495	Strand	-
Start	9176	End	10972
Name	OJ991122_03.0421.C5.o6.tm	Method	TBLASTX:Maize
Start	9517	End	10930
GI	none	Score	64
Exons	9517..9594, 9517..9627, 9518..9640, 9560..9637, 10153..10278, 10154..10279, 10821..10925, 10829..10927, 10829..10930		

Seq. No.	48595	Seq. ID	OJ991122_03.0421.C6
Gene No.	103496	Strand	+
Start	205	End	3859
Name	OJ991122_03.0421.C6.o1.gs	Method	GENSCAN
Start	205	End	3859
GI	none	Score	.49
Exons	205..358, 393..645, 1474..1655, 1772..1928, 2145..2197, 3058..3137, 3777..3859		

Seq. No.	48595	Seq. ID	OJ991122_03.0421.C6
Gene No.	103497	Strand	-
Start	369	End	486
Name	OJ991122_03.0421.C6.o1.gp	Method	AAT/GAP
Start	369	End	486
GI	533_1.R1084	Score	203
Exons	369..486		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum		

vulgare]'

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103498	Strand	+
Start	102	End	2008
Name	OJ991122_03.0421.C7.o1.np	Method	AAT/NAP
Start	102	End	2008
GI	6721512	Score	209
Exons	102..207, 236..379, 422..458, 1980..2008		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103499	Strand	+
Start	10162	End	10532
Name	OJ991122_03.0421.C7.o1.gp	Method	AAT/GAP
Start	10162	End	10532
GI	2312964	Score	675
Exons	10162..10532		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103500	Strand	+
Start	13212	End	13637
Name	OJ991122_03.0421.C7.o2.gs	Method	GENSCAN
Start	13212	End	13637
GI	none	Score	1
Exons	13212..13637		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103501	Strand	+
Start	15368	End	16322
Name	OJ991122_03.0421.C7.o2.gp	Method	AAT/GAP
Start	15368	End	16322
GI	3672_1.R1084	Score	1849
Exons	15368..16322		
GI Descrip.	'3929323 8.0e-35 (AF100332) putative 21D7 protein [Dendrobium grex Madame Thong-IN]'		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103502	Strand	+
Start	22617	End	23929
Name	OJ991122_03.0421.C7.o5.gs	Method	GENSCAN
Start	22617	End	23608
GI	none	Score	.62
Exons	22617..22786, 22886..23471, 23528..23608		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103502	Strand	+
Start	22617	End	23929
Name	OJ991122_03.0421.C7.o5.gp	Method	AAT/GAP
Start	23001	End	23929
GI	none	Score	569
Exons	23001..23031, 23522..23929		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103503	Strand	+
Start	26846	End	28120
Name	OJ991122_03.0421.C7.o7.gs	Method	GENSCAN

Start	26846	End	28120
GI	none	Score	.59
Exons	26846..26947, 28073..28120		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103504	Strand	+
Start	34199	End	41742
Name	OJ991122_03.0421.C7.o9.gs	Method	GENSCAN
Start	34199	End	41742
GI	none	Score	.75
Exons	34199..34307, 36465..36619, 36752..36803, 37711..40494, 40966..41742		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103504	Strand	+
Start	34199	End	41742
Name	OJ991122_03.0421.C7.o6.np	Method	AAT/NAP
Start	36467	End	38169
GI	6056407	Score	208
Exons	36467..36699, 37711..38169		
GI Descrip.	(AC009525) Similar to glutathione S-transferases. [Arabidopsis thaliana]		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103505	Strand	-
Start	15820	End	19136
Name	OJ991122_03.0421.C7.o3.gs	Method	GENSCAN
Start	15820	End	19086
GI	none	Score	.95
Exons	15820..16332, 16408..16647, 16881..16991, 17086..17140, 17234..17370, 17446..17583, 18560..18685, 18733..18923, 19011..19086		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103505	Strand	-
Start	15820	End	19136
Name	OJ991122_03.0421.C7.o2.np	Method	AAT/NAP
Start	15823	End	19089
GI	3914467	Score	1766
Exons	15823..16332, 16408..16647, 16881..16991, 17086..17136, 17230..17370, 17446..17583, 18733..18923, 19011..19089		
GI Descrip.	26S PROTEASOME REGULATORY SUBUNIT S3 (NUCLEAR ANTIGEN 21D7) gi|1864003|dbj|BAA19252| (AB001422) 21D7 [Nicotiana tabacum]		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103505	Strand	-
Start	15820	End	19136
Name	OJ991122_03.0421.C7.o3.gp	Method	AAT/GAP
Start	16448	End	17560
GI	9001_1.R1084	Score	1120
Exons	16448..16647, 16881..16991, 17086..17140, 17234..17370, 17446..17560		
GI Descrip.	'3914467/sp|P93768|PSD3_TOBAC 5.0e-83 26S PROTEASOME REGULATORY SUBUNIT S3 (NUCLEAR ANTIGEN 21D7) >gi_1864003_dbj_BAA19252_ (AB001422) 21D7 [Nicotiana tabacum]'		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7

Gene No.	103505	Strand	-
Start	15820	End	19136
Name	OJ991122_03.0421.C7.o4.gp	Method	AAT/GAP
Start	18765	End	19136
GI	426277	Score	513
Exons	18765..18923, 19011..19136		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103506	Strand	-
Start	20248	End	25745
Name	OJ991122_03.0421.C7.o4.gs	Method	GENSCAN
Start	20248	End	21899
GI	none	Score	.91
Exons	20248..20821, 21277..21899		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103506	Strand	-
Start	20248	End	25745
Name	OJ991122_03.0421.C7.o3.np	Method	AAT/NAP
Start	20269	End	25646
GI	5668808	Score	1304
Exons	20269..20821, 21277..21905, 25380..25646		
GI Descrip.	(AC007519) F16N3.20 [Arabidopsis thaliana]		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103506	Strand	-
Start	20248	End	25745
Name	OJ991122_03.0421.C7.o6.gp	Method	AAT/GAP
Start	22995	End	23927
GI	none	Score	567
Exons	22995..23028, 23519..23927		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103506	Strand	-
Start	20248	End	25745
Name	OJ991122_03.0421.C7.o6.gs	Method	GENSCAN
Start	25341	End	25745
GI	none	Score	.53
Exons	25341..25745		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	15778	End	18924
GI	none	Score	463
Exons	15778..15852, 15786..16235, 15879..16331, 15902..16330, 15916..16332, 15920..16333, 15925..16335, 16355..16651, 16406..16648, 16408..16650, 16866..16994, 16881..16940, 16882..17010, 17068..17139, 17075..17140, 17218..17370, 17232..17372, 17446..17586, 17446..17583, 17451..17585, 18731..18781, 18733..18921, 18865..18924		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o1.ts	Method	TBLASTX:Soybean

Start	15820	End	18921
GI	none	Score	250
Exons	15820..15852, 15899..16288, 15900..16331, 15916..16332, 15923..16333, 15955..16335, 16384..16650, 16407..16649, 16408..16650, 16409..16651, 16881..16940, 16882..16995, 17068..17139, 17090..17137, 17218..17370, 17234..17371, 17446..17586, 17446..17583, 18733..18921		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o1.tc	Method	TBLASTX:Cress
Start	15894	End	16617
GI	none	Score	102
Exons	15894..16088, 15903..16088, 15908..16123, 15916..16134, 15923..16132, 16196..16285, 16219..16287, 16285..16332, 16304..16333, 16340..16612, 16408..16617, 16414..16617		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o1.tw	Method	TBLASTX:Wheat
Start	16408	End	16928
GI	none	Score	241
Exons	16408..16638, 16409..16633, 16878..16928, 16882..16926		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o3.tc	Method	TBLASTX:Cress
Start	16618	End	17496
GI	none	Score	78
Exons	16618..16650, 16867..16953, 16881..16994, 16881..16940, 17068..17136, 17209..17370, 17234..17371, 17239..17373, 17241..17375, 17446..17496, 17447..17494		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o2.tm	Method	TBLASTX:Maize
Start	20264	End	20767
GI	none	Score	552
Exons	20264..20404, 20270..20767, 20275..20667		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o2.tc	Method	TBLASTX:Cress
Start	20281	End	25601
GI	none	Score	132
Exons	20281..20655, 20444..20572, 20696..20821, 20746..20817, 20806..20838, 21277..21903, 21279..21902, 25377..25601, 25378..25521		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213

Name	OJ991122_03.0421.C7.o2.ts	Method	TBLASTX:Soybean
Start	20287	End	25568
GI	none	Score	162
Exons	20287..20664, 20330..20623, 20693..20809, 20746..20817, 21273..21902, 21640..21903, 25362..25568		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o3.tm	Method	TBLASTX:Maize
Start	21294	End	25547
GI	none	Score	37
Exons	21294..21377, 21315..21374, 21390..21455, 21459..21605, 21465..21662, 21654..21902, 21655..21903, 25377..25547, 25380..25547		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o2.tw	Method	TBLASTX:Wheat
Start	21459	End	21728
GI	none	Score	54
Exons	21459..21515, 21462..21728, 21640..21690		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o4.np	Method	AAT/NAP
Start	28579	End	30897
GI	6598805	Score	369
Exons	28579..28674, 29781..30157, 30440..30618, 30725..30897		
GI Descrip.	(AF024504) unknown protein [Arabidopsis thaliana]		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o8.gs	Method	GENSCAN
Start	29723	End	31799
GI	none	Score	.91
Exons	29723..30157, 30440..30618, 30725..30911, 31722..31799		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o5.tm	Method	TBLASTX:Maize
Start	29771	End	30158
GI	none	Score	53
Exons	29771..29854, 29840..29902, 29841..29903, 30020..30157, 30020..30157, 30060..30158		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o7.gp	Method	AAT/GAP
Start	29826	End	30172
GI	none	Score	586
Exons	29826..30172		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o5.np	Method	AAT/NAP
Start	29975	End	33213
GI	5852093	Score	77
Exons	29975..30112, 31672..31829, 33157..33213		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103507	Strand	-
Start	28579	End	33213
Name	OJ991122_03.0421.C7.o8.gp	Method	AAT/GAP
Start	30558	End	30951
GI	none	Score	488
Exons	30558..30618, 30725..30951		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103508	Strand	
Start	36442	End	38135
Name	OJ991122_03.0421.C7.o4.tm	Method	TBLASTX:Maize
Start	36442	End	37952
GI	none	Score	36
Exons	36442..36468, 36482..36619, 36491..36583, 36501..36623, 36722..36820, 37623..37952, 37694..37879, 37708..37905, 37710..37910		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103508	Strand	
Start	36442	End	38135
Name	OJ991122_03.0421.C7.o4.tc	Method	TBLASTX:Cress
Start	37710	End	38132
GI	none	Score	80
Exons	37710..37859, 37923..38132		

Seq. No.	48596	Seq. ID	OJ991122_03.0421.C7
Gene No.	103508	Strand	
Start	36442	End	38135
Name	OJ991122_03.0421.C7.o3.ts	Method	TBLASTX:Soybean
Start	37770	End	38135
GI	none	Score	79
Exons	37770..37877, 37772..37843, 37893..38045, 37953..38039, 38055..38135		

Seq. No.	48597	Seq. ID	OJ991122_03.0421.C8
Gene No.	103509	Strand	+
Start	1262	End	1474
Name	OJ991122_03.0421.C8.o1.gs	Method	GENSCAN
Start	1262	End	1474
GI	none	Score	.91
Exons	1262..1474		

Seq. No.	48597	Seq. ID	OJ991122_03.0421.C8
Gene No.	103510	Strand	+
Start	2725	End	5449
Name	OJ991122_03.0421.C8.o2.gs	Method	GENSCAN

Start	2725	End	5449
GI	none	Score	1
Exons	2725..2907, 2987..4000, 4093..5075, 5176..5449		

Seq. No.	48597	Seq. ID	OJ991122_03.0421.C8
Gene No.	103511	Strand	-
Start	6449	End	6880
Name	OJ991122_03.0421.C8.o3.gs	Method	GENSCAN
Start	6449	End	6880
GI	none	Score	.91
Exons	6449..6880		

Seq. No.	48597	Seq. ID	OJ991122_03.0421.C8
Gene No.	103512	Strand	-
Start	9309	End	14601
Name	OJ991122_03.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	6506	End	6887
GI	none	Score	116
Exons	6506..6625, 6512..6631, 6559..6648, 6588..6758, 6588..6710, 6629..6769, 6806..6880, 6813..6884, 6819..6887		

Seq. No.	48597	Seq. ID	OJ991122_03.0421.C8
Gene No.	103512	Strand	-
Start	9309	End	14601
Name	OJ991122_03.0421.C8.o1.tc	Method	TBLASTX:Cress
Start	6518	End	6884
GI	none	Score	118
Exons	6518..6775, 6534..6749, 6785..6883, 6810..6884		

Seq. No.	48597	Seq. ID	OJ991122_03.0421.C8
Gene No.	103512	Strand	-
Start	9309	End	14601
Name	OJ991122_03.0421.C8.o1.np	Method	AAT/NAP
Start	9309	End	14601
GI	6069654	Score	562
Exons	9309..10989, 14490..14601		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	48597	Seq. ID	OJ991122_03.0421.C8
Gene No.	103512	Strand	-
Start	9309	End	14601
Name	OJ991122_03.0421.C8.o2.np	Method	AAT/NAP
Start	11384	End	14333
GI	4680186	Score	163
Exons	11384..11444, 12125..12199, 12803..12952, 14288..14333		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48597	Seq. ID	OJ991122_03.0421.C8
Gene No.	103512	Strand	-
Start	9309	End	14601
Name	OJ991122_03.0421.C8.o1.gp	Method	AAT/GAP
Start	13390	End	13777
GI	3761586	Score	696
Exons	13390..13777		

Seq. No.	48597	Seq. ID	OJ991122_03.0421.C8
Gene No.	103512	Strand	-

Start	9309	End	14601
Name	OJ991122_03.0421.C8.o2.gp	Method	AAT/GAP
Start	14299	End	14506
GI	3761585	Score	349
Exons	14299..14506		

Seq. No.	48598	Seq. ID	OJ991112_02.0420.C16
Gene No.	103513	Strand	-
Start	1	End	753
Name	OJ991112_02.0420.C16.o1.np	Method	AAT/NAP
Start	1	End	753
GI	7485859	Score	497
Exons	1..753		
GI Descrip.	hypothetical protein F20D10.300 - Arabidopsis thaliana gi|4467124|emb|CAB37558.1| (AL035538) hypothetical protein [Arabidopsis thaliana] gi|7270802|emb|CAB80483.1| (AL161593) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48598	Seq. ID	OJ991112_02.0420.C16
Gene No.	103513	Strand	-
Start	1	End	753
Name	OJ991112_02.0420.C16.o1.tm	Method	TBLASTX:Maize
Start	3	End	405
GI	none	Score	233
Exons	3..404, 4..396, 208..405		

Seq. No.	48598	Seq. ID	OJ991112_02.0420.C16
Gene No.	103513	Strand	-
Start	1	End	753
Name	OJ991112_02.0420.C16.o1.tw	Method	TBLASTX:Wheat
Start	105	End	282
GI	none	Score	105
Exons	105..281, 106..282		

Seq. No.	48598	Seq. ID	OJ991112_02.0420.C16
Gene No.	103513	Strand	-
Start	1	End	753
Name	OJ991112_02.0420.C16.o1.gs	Method	GENSCAN
Start	107	End	650
GI	none	Score	.59
Exons	107..650		

Seq. No.	48598	Seq. ID	OJ991112_02.0420.C16
Gene No.	103513	Strand	-
Start	1	End	753
Name	OJ991112_02.0420.C16.o1.ts	Method	TBLASTX:Soybean
Start	108	End	452
GI	none	Score	142
Exons	108..452, 136..447, 318..452		

Seq. No.	48598	Seq. ID	OJ991112_02.0420.C16
Gene No.	103513	Strand	-
Start	1	End	753
Name	OJ991112_02.0420.C16.o1.tc	Method	TBLASTX:Cress
Start	207	End	515
GI	none	Score	59
Exons	207..515, 310..423, 330..515		

Seq. No.	48599	Seq. ID	OJ991112_02.0420.C17
Gene No.	103514	Strand	-
Start	27	End	1901
Name	OJ991112_02.0420.C17.o1.gs	Method	GENSCAN
Start	27	End	1901
GI	none	Score	.74
Exons	27..155, 172..313, 502..569, 1331..1439, 1872..1901		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103515	Strand	-
Start	55	End	3083
Name	OJ991112_02.0420.C18.o1.np	Method	AAT/NAP
Start	55	End	2432
GI	7428022	Score	842
Exons	55..354, 526..676, 766..1003, 1108..1318, 1510..1627, 2277..2432		
GI Descrip.	S-receptor kinase (EC 2.7.1.-) KIK1 precursor - maize gi|2735017|gb|AAB93834.1| (U82481) KI domain interacting kinase 1 [Zea mays]		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103515	Strand	-
Start	55	End	3083
Name	OJ991112_02.0420.C18.o1.gs	Method	GENSCAN
Start	526	End	3083
GI	none	Score	.83
Exons	526..676, 766..891, 1765..1863, 2167..2260, 2266..2881, 2922..3083		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103515	Strand	-
Start	55	End	3083
Name	OJ991112_02.0420.C18.o2.np	Method	AAT/NAP
Start	854	End	3049
GI	7485942	Score	456
Exons	854..1014, 1043..1318, 1510..1655, 1765..1854, 2170..2432, 2465..2608, 2660..3049		
GI Descrip.	hypothetical protein F21P8.120 - Arabidopsis thaliana gi|3021275|emb|CAA18470.1| (AL022347) putative protein [Arabidopsis thaliana] gi|7269171|emb|CAB79278.1| (AL161559) putative protein [Arabidopsis thaliana]		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103516	Strand	-
Start	4813	End	11619
Name	OJ991112_02.0420.C18.o2.gs	Method	GENSCAN
Start	4813	End	11619
GI	none	Score	.49
Exons	4813..5181, 5294..5409, 7292..8282, 9526..9700, 11402..11619		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103516	Strand	-
Start	4813	End	11619
Name	OJ991112_02.0420.C18.o3.np	Method	AAT/NAP
Start	6089	End	9493
GI	4680338	Score	475
Exons	6089..6126, 7213..7487, 7518..7964, 7995..8282, 9447..9493		

GI Descrip. (AF128457) hypothetical protein [Oryza sativa subsp. indica]

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103517	Strand	-
Start	12982	End	19769
Name	OJ991112_02.0420.C18.o1.tc	Method	TBLASTX:Cress
Start	113	End	1614
GI	none	Score	118
Exons	113..319, 142..354, 547..672, 575..664, 768..1004, 769..981, 829..1005, 1109..1318, 1110..1319, 1510..1614		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103517	Strand	-
Start	12982	End	19769
Name	OJ991112_02.0420.C18.o1.tm	Method	TBLASTX:Maize
Start	130	End	1621
GI	none	Score	71
Exons	130..204, 184..354, 185..280, 526..702, 581..703, 759..992, 766..1005, 768..1019, 1109..1318, 1116..1319, 1510..1620, 1511..1621		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103517	Strand	-
Start	12982	End	19769
Name	OJ991112_02.0420.C18.o1.ts	Method	TBLASTX:Soybean
Start	142	End	1596
GI	none	Score	71
Exons	142..354, 143..286, 307..357, 526..675, 575..676, 747..908, 768..1004, 769..981, 1109..1318, 1116..1319, 1510..1596		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103517	Strand	-
Start	12982	End	19769
Name	OJ991112_02.0420.C18.o1.tw	Method	TBLASTX:Wheat
Start	655	End	1194
GI	none	Score	210
Exons	655..675, 762..1004, 763..1005, 774..1004, 1065..1187, 1105..1194, 1109..1186, 1113..1193		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103517	Strand	-
Start	12982	End	19769
Name	OJ991112_02.0420.C18.o2.ts	Method	TBLASTX:Soybean
Start	7320	End	7652
GI	none	Score	129
Exons	7320..7391, 7389..7472, 7536..7652		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103517	Strand	-
Start	12982	End	19769
Name	OJ991112_02.0420.C18.o3.tm	Method	TBLASTX:Maize
Start	7320	End	8151
GI	none	Score	67
Exons	7320..7382, 7389..7472, 7512..7664, 8013..8150, 8059..8151		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103517	Strand	-

Start	12982	End	19769
Name	OJ991112_02.0420.C18.o4.np	Method	AAT/NAP
Start	12909	End	19769
GI	7489728	Score	616
Exons	12909..14446, 14718..15104, 16200..16387, 16811..17070, 17105..18137, 19747..19769		
GI Descrip.	embryogenesis transmembrane protein - maize gi|1628482|emb|CAA66183.1| (X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103517	Strand	-
Start	12982	End	19769
Name	OJ991112_02.0420.C18.o3.gs	Method	GENSCAN
Start	12982	End	19705
GI	none	Score	.81
Exons	12982..14446, 17112..17447, 17534..17733, 17780..18172, 19646..19705		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103517	Strand	-
Start	12982	End	19769
Name	OJ991112_02.0420.C18.o2.tm	Method	TBLASTX:Maize
Start	13207	End	17524
GI	none	Score	72
Exons	13207..13335, 13210..13335, 13324..13395, 13618..13851, 13627..13878, 13867..13929, 13868..13936, 13878..13982, 14014..14118, 14027..14119, 14113..14157, 14158..14310, 14224..14325, 14335..14364, 14336..14389, 17454..17513, 17456..17524		

Seq. No.	48600	Seq. ID	OJ991112_02.0420.C18
Gene No.	103517	Strand	-
Start	12982	End	19769
Name	OJ991112_02.0420.C18.o2.tw	Method	TBLASTX:Wheat
Start	13625	End	17700
GI	none	Score	55
Exons	13625..13708, 13627..13722, 14020..14241, 14027..14227, 14032..14241, 17569..17700		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103518	Strand	+
Start	1	End	4848
Name	OJ991112_02.0420.C19.o1.np	Method	AAT/NAP
Start	1	End	4690
GI	3850823	Score	1653
Exons	1..48, 780..1051, 1233..1343, 1724..1785, 2823..2896, 3006..3047, 3130..3189, 3328..3948, 4060..4195, 4412..4479, 4556..4690		
GI Descrip.	(Y18351) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103518	Strand	+
Start	1	End	4848
Name	OJ991112_02.0420.C19.o1.gp	Method	AAT/GAP
Start	769	End	3360

GI	13029_1.R1084	Score	1184
Exons	769..1051, 1239..1343, 1724..1800, 2832..2896, 3006..3047, 3130..3189, 3328..3360		
GI Descrip.	'3850823/emb|CAA77136| 4.0e-19 (Y18351) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]'		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103518	Strand	+
Start	1	End	4848
Name	OJ991112_02.0420.C19.o1.gs	Method	GENSCAN
Start	771	End	4693
GI	none	Score	.85
Exons	771..1051, 1239..1343, 2832..2896, 3130..3189, 3328..3948, 4060..4195, 4412..4479, 4556..4693		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103518	Strand	+
Start	1	End	4848
Name	OJ991112_02.0420.C19.o2.gp	Method	AAT/GAP
Start	4112	End	4848
GI	uC-osflcyp152a05a1	Score	838
Exons	4112..4195, 4412..4479, 4556..4848		
GI Descrip.	'3850821/emb|CAA77135| 1.0e-33 (Y18350) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]'		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103519	Strand	+
Start	5250	End	5654
Name	OJ991112_02.0420.C19.o3.gp	Method	AAT/GAP
Start	5250	End	5654
GI	uC-osflcyp131e07a1	Score	798
Exons	5250..5654		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103520	Strand	+
Start	5746	End	11437
Name	OJ991112_02.0420.C19.o2.np	Method	AAT/NAP
Start	5746	End	11437
GI	5295971	Score	3579
Exons	5746..5773, 7171..8138, 8166..11437		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103520	Strand	+
Start	5746	End	11437
Name	OJ991112_02.0420.C19.o3.gs	Method	GENSCAN
Start	6776	End	11422
GI	none	Score	.63
Exons	6776..6781, 7050..9858, 9870..11422		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103521	Strand	-
Start	5475	End	6542

Name	OJ991112_02.0420.C19.o2.gs	Method	GENSCAN
Start	5475	End	6542
GI	none	Score	.5
Exons	5475..6542		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o1.tm	Method	TBLASTX:Maize
Start	966	End	4693
GI	none	Score	58
Exons	966..1022, 1018..1050, 2837..2893, 2852..2890, 3002..3055, 3002..3046, 3127..3189, 3127..3189, 3321..3917, 3325..3915, 3330..3983, 3331..3921, 3647..3952, 4053..4118, 4056..4202, 4057..4200, 4057..4203, 4173..4226, 4396..4494, 4410..4493, 4411..4494, 4552..4692, 4553..4693		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o1.ts	Method	TBLASTX:Soybean
Start	3109	End	4482
GI	none	Score	113
Exons	3109..3189, 3129..3188, 3321..3884, 3324..3848, 3325..3909, 3889..3915, 4057..4197, 4057..4197, 4396..4482, 4410..4481		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o1.tw	Method	TBLASTX:Wheat
Start	3342	End	3615
GI	none	Score	417
Exons	3342..3614, 3351..3614, 3352..3615		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o2.tc	Method	TBLASTX:Cress
Start	3688	End	3949
GI	none	Score	331
Exons	3688..3915, 3688..3882, 3689..3949, 3690..3917		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o5.tc	Method	TBLASTX:Cress
Start	4057	End	4735
GI	none	Score	91
Exons	4057..4194, 4072..4188, 4410..4493, 4411..4494, 4553..4702, 4553..4669, 4555..4680, 4703..4735		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o9.tm	Method	TBLASTX:Maize
Start	5838	End	6245
GI	none	Score	163

Exons	5838..5924, 5985..6245		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o6.tw	Method	TBLASTX:Wheat
Start	7389	End	7739
GI	none	Score	201
Exons	7389..7739		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o8.tm	Method	TBLASTX:Maize
Start	7463	End	7790
GI	none	Score	210
Exons	7463..7789, 7464..7790		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o5.tm	Method	TBLASTX:Maize
Start	8220	End	8691
GI	none	Score	48
Exons	8220..8306, 8282..8689, 8283..8501, 8291..8512, 8292..8690, 8535..8690, 8596..8691		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o3.tw	Method	TBLASTX:Wheat
Start	8304	End	8744
GI	none	Score	286
Exons	8304..8669, 8318..8434, 8456..8584, 8670..8744		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o5.ts	Method	TBLASTX:Soybean
Start	8694	End	8969
GI	none	Score	197
Exons	8694..8969, 8790..8870		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o4.tw	Method	TBLASTX:Wheat
Start	8829	End	9389
GI	none	Score	93
Exons	8829..8969, 9027..9290, 9044..9253, 9299..9373, 9300..9389		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o3.tm	Method	TBLASTX:Maize
Start	9032	End	9461
GI	none	Score	400

Exons	9032..9256, 9036..9377, 9051..9320, 9299..9367, 9390..9461		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o4.ts	Method	TBLASTX:Soybean
Start	9063	End	9542
GI	none	Score	383
Exons	9063..9509, 9068..9358, 9354..9542		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o3.tc	Method	TBLASTX:Cress
Start	9078	End	9515
GI	none	Score	255
Exons	9078..9515		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o3.ts	Method	TBLASTX:Soybean
Start	9875	End	10381
GI	5509260	Score	452
Exons	9875..10381, 9976..10365		
GI Descrip.	-		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o4.tm	Method	TBLASTX:Maize
Start	9923	End	10243
GI	none	Score	418
Exons	9923..10243, 9982..10242		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o4.tc	Method	TBLASTX:Cress
Start	10021	End	10282
GI	none	Score	241
Exons	10021..10248, 10022..10282		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o2.tw	Method	TBLASTX:Wheat
Start	10063	End	10612
GI	none	Score	296
Exons	10063..10194, 10064..10408, 10219..10326, 10394..10612		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o6.tm	Method	TBLASTX:Maize
Start	10445	End	10708
GI	none	Score	293

Exons	10445..10708, 10445..10705, 10528..10707		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o7.tw	Method	TBLASTX:Wheat
Start	10622	End	10903
GI	none	Score	62
Exons	10622..10726, 10751..10903		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o2.tm	Method	TBLASTX:Maize
Start	10712	End	11161
GI	none	Score	273
Exons	10712..10948, 10720..10911, 10935..11141, 10946..11161, 11005..11160		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o1.tc	Method	TBLASTX:Cress
Start	10750	End	11410
GI	none	Score	152
Exons	10750..10884, 10751..10933, 10940..11044, 11042..11155, 11192..11410, 11200..11367		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o2.ts	Method	TBLASTX:Soybean
Start	10772	End	11421
GI	none	Score	456
Exons	10772..11413, 11026..11421		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o5.tw	Method	TBLASTX:Wheat
Start	10955	End	11380
GI	none	Score	161
Exons	10955..11164, 11044..11163, 11200..11373, 11201..11380		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o7.tm	Method	TBLASTX:Maize
Start	11173	End	11409
GI	none	Score	229
Exons	11173..11409, 11177..11407		
Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o4.gs	Method	GENSCAN
Start	11864	End	13079

GI	none	Score	.57
Exons	11864..11958, 11999..13079		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o3.np	Method	AAT/NAP
Start	12030	End	12536
GI	7489439	Score	369
Exons	12030..12536		
GI Descrip.	Rlch4 protein - barley (fragment) gi|3320425|gb|AAC26502.1| (AF052396) resistance protein [Hordeum vulgare]		

Seq. No.	48601	Seq. ID	OJ991112_02.0420.C19
Gene No.	103522	Strand	-
Start	11864	End	13079
Name	OJ991112_02.0420.C19.o10.tm	Method	TBLASTX:Maize
Start	12270	End	12554
GI	none	Score	106
Exons	12270..12428, 12271..12432, 12276..12434, 12416..12478, 12423..12515, 12423..12515, 12468..12554, 12476..12550		

Seq. No.	48602	Seq. ID	OJ991112_02.0420.C20
Gene No.	103523	Strand	+
Start	127	End	2118
Name	OJ991112_02.0420.C20.o1.gs	Method	GENSCAN
Start	127	End	2118
GI	none	Score	.76
Exons	127..456, 563..634, 857..863, 1283..1612, 1695..1828, 1873..2118		

Seq. No.	48602	Seq. ID	OJ991112_02.0420.C20
Gene No.	103524	Strand	-
Start	2722	End	6225
Name	OJ991112_02.0420.C20.o2.gs	Method	GENSCAN
Start	2722	End	5781
GI	none	Score	.68
Exons	2722..2814, 3132..3175, 3918..4011, 4932..5000, 5689..5781		

Seq. No.	48602	Seq. ID	OJ991112_02.0420.C20
Gene No.	103524	Strand	-
Start	2722	End	6225
Name	OJ991112_02.0420.C20.o1.np	Method	AAT/NAP
Start	5469	End	6225
GI	6983857	Score	316
Exons	5469..6225		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	48603	Seq. ID	OJ991112_02.0420.C21
Gene No.	103525	Strand	+
Start	75	End	425
Name	OJ991112_02.0420.C21.o1.gs	Method	GENSCAN
Start	75	End	425
GI	none	Score	.69
Exons	75..425		

Seq. No.	48603	Seq. ID	OJ991112_02.0420.C21
Gene No.	103526	Strand	-

Start	1	End	756
Name	OJ991112_02.0420.C21.o1.np	Method	AAT/NAP
Start	1	End	756
GI	6907086	Score	862
Exons	1..756		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48603	Seq. ID	OJ991112_02.0420.C21
Gene No.	103527	Strand	-
Start	1448	End	2903
Name	OJ991112_02.0420.C21.o2.np	Method	AAT/NAP
Start	1448	End	2903
GI	4680186	Score	176
Exons	1448..1863, 2337..2388, 2885..2903		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48604	Seq. ID	OJ991112_02.0420.C22
Gene No.	103528	Strand	+
Start	540	End	1700
Name	OJ991112_02.0420.C22.o1.gs	Method	GENSCAN
Start	540	End	1700
GI	none	Score	.49
Exons	540..1700		

Seq. No.	48605	Seq. ID	OJ991112_02.0420.C23
Gene No.	103529	Strand	+
Start	40	End	561
Name	OJ991112_02.0420.C23.o1.gs	Method	GENSCAN
Start	40	End	561
GI	none	Score	.98
Exons	40..561		

Seq. No.	48605	Seq. ID	OJ991112_02.0420.C23
Gene No.	103530	Strand	-
Start	2264	End	3869
Name	OJ991112_02.0420.C23.o2.gs	Method	GENSCAN
Start	2264	End	3869
GI	none	Score	.74
Exons	2264..2347, 3669..3869		

Seq. No.	48606	Seq. ID	OJ991112_02.0420.C24
Gene No.	103531	Strand	+
Start	87	End	1298
Name	OJ991112_02.0420.C24.o1.np	Method	AAT/NAP
Start	87	End	1298
GI	7441481	Score	96
Exons	87..495, 1274..1298		
GI Descrip.	probable calmodulin - rice gi|1235664|gb|AAA98933.1| (U37936) novel calmodulin-like protein [Oryza sativa] gi|3171148|gb|AAC18355.1| (AF064456) calmodulin-like protein [Oryza sativa subsp. indica] gi|6969639|gb|AAF33852.1| (AF231026) calmodulin-like protein [Oryza sativa]		

Seq. No.	48607	Seq. ID	OJ991112_02.0420.C25
Gene No.	103532	Strand	-
Start	1046	End	3031
Name	OJ991112_02.0420.C25.o1.np	Method	AAT/NAP

Start	1046	End	3031
GI	7489681	Score	179
Exons	1046..1387, 3012..3031		
GI Descrip.	probable cyst nematode resistance gene - wheat (fragment) gi|2967837|gb|AAC05834.1| (AF052641) cyst nematode resistance gene candidate [Triticum aestivum]		

Seq. No.	48608	Seq. ID	OJ991112_02.0420.C27
Gene No.	103533	Strand	+
Start	1	End	355
Name	OJ991112_02.0420.C27.o1.gp	Method	AAT/GAP
Start	1	End	115
GI	2427387	Score	197
Exons	1..115		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	48608	Seq. ID	OJ991112_02.0420.C27
Gene No.	103533	Strand	+
Start	1	End	355
Name	OJ991112_02.0420.C27.o1.np	Method	AAT/NAP
Start	1	End	355
GI	6063554	Score	150
Exons	1..79, 183..355		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48608	Seq. ID	OJ991112_02.0420.C27
Gene No.	103534	Strand	+
Start	512	End	828
Name	OJ991112_02.0420.C27.o1.gs	Method	GENSCAN
Start	512	End	828
GI	none	Score	.72
Exons	512..547, 664..828		

Seq. No.	48608	Seq. ID	OJ991112_02.0420.C27
Gene No.	103535	Strand	-
Start	743	End	1002
Name	OJ991112_02.0420.C27.o2.gp	Method	AAT/GAP
Start	743	End	1002
GI	61605_3.R1084	Score	370
Exons	743..1002		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	48608	Seq. ID	OJ991112_02.0420.C27
Gene No.	103536	Strand	-
Start	1435	End	1821
Name	OJ991112_02.0420.C27.o2.gs	Method	GENSCAN
Start	1435	End	1821
GI	none	Score	.94
Exons	1435..1479, 1732..1821		

Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103537	Strand	+
Start	4740	End	5174

Name	OJ991112_02.0420.C28.o1.gp	Method	AAT/GAP
Start	4740	End	5174
GI	LIB3431-028-P1-N1-A10	Score	669
Exons	4740..5174		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103538	Strand	+
Start	10457	End	12808
Name	OJ991112_02.0420.C28.o3.gs	Method	GENSCAN
Start	10457	End	12808
GI	none	Score	.91
Exons	10457..10510, 11576..11713, 12188..12311, 12497..12572, 12727..12808		

Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103539	Strand	+
Start	18145	End	20566
Name	OJ991112_02.0420.C28.o4.np	Method	AAT/NAP
Start	17999	End	18831
GI	7248393	Score	278
Exons	17999..18076, 18184..18642, 18754..18831		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103539	Strand	+
Start	18145	End	20566
Name	OJ991112_02.0420.C28.o5.gs	Method	GENSCAN
Start	18145	End	20566
GI	none	Score	.62
Exons	18145..18247, 18317..18583, 19558..19674, 19925..20008, 20520..20566		

Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103540	Strand	-
Start	69	End	2423
Name	OJ991112_02.0420.C28.o1.gs	Method	GENSCAN
Start	69	End	2288
GI	none	Score	.62
Exons	69..465, 703..917, 990..1175, 1263..2288		

Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103540	Strand	-
Start	69	End	2423
Name	OJ991112_02.0420.C28.o1.np	Method	AAT/NAP
Start	204	End	2423
GI	4680204	Score	892
Exons	204..896, 990..2423		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103541	Strand	-
Start	3231	End	9447
Name	OJ991112_02.0420.C28.o2.gs	Method	GENSCAN
Start	3231	End	8123
GI	none	Score	.6

Exons	3231..3703, 3780..3894, 4844..5383, 5455..6805, 6860..6974, 7664..8123		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103541	Strand	-
Start	3231	End	9447
Name	OJ991112_02.0420.C28.o2.np	Method	AAT/NAP
Start	4808	End	9447
GI	4680203	Score	3202
Exons	4808..5790, 6067..6297, 6451..8123, 9399..9447		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103542	Strand	-
Start	11354	End	16303
Name	OJ991112_02.0420.C28.o3.np	Method	AAT/NAP
Start	11354	End	13921
GI	7340881	Score	213
Exons	11354..11389, 11493..11604, 13026..13483, 13609..13687, 13833..13921		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103542	Strand	-
Start	11354	End	16303
Name	OJ991112_02.0420.C28.o4.gs	Method	GENSCAN
Start	13000	End	16303
GI	none	Score	.83
Exons	13000..13436, 13564..13677, 14584..14792, 15670..16157, 16253..16303		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o5.tw	Method	TBLASTX:Wheat
Start	1380	End	1781
GI	none	Score	46
Exons	1380..1490, 1380..1550, 1390..1551, 1540..1674, 1545..1781, 1554..1721		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o1.tw	Method	TBLASTX:Wheat
Start	4868	End	6189
GI	none	Score	52
Exons	4868..4960, 4869..4934, 4885..4956, 4949..5029, 4977..5030, 5034..5114, 5036..5152, 5043..5183, 5054..5182, 5130..5225, 5162..5221, 5227..5292, 5228..5272, 5267..5485, 5283..5462, 5300..5476, 5481..5699, 5482..6183, 5483..6184, 6004..6189		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o1.tc	Method	TBLASTX:Cress
Start	5481	End	5900
GI	none	Score	93

Exons	5481..5699, 5482..5598, 5482..5892, 5483..5896, 5483..5896, 5718..5900		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o1.tm	Method	TBLASTX:Maize
Start	5827	End	6141
GI	none	Score	142
Exons	5827..6141, 5855..6130		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o3.tw	Method	TBLASTX:Wheat
Start	6190	End	6595
GI	none	Score	64
Exons	6190..6270, 6191..6271, 6191..6277, 6303..6515, 6304..6522, 6304..6522, 6344..6526, 6532..6594, 6545..6595		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o2.ts	Method	TBLASTX:Soybean
Start	6628	End	6870
GI	none	Score	202
Exons	6628..6870		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o2.tm	Method	TBLASTX:Maize
Start	6700	End	7158
GI	none	Score	89
Exons	6700..6894, 6904..7158, 6904..7131		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o2.tw	Method	TBLASTX:Wheat
Start	6734	End	7202
GI	none	Score	166
Exons	6734..6940, 6739..6963, 6935..7036, 6941..7033, 6943..7038, 6943..7041, 7045..7134, 7049..7135, 7146..7202, 7150..7194		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o2.tc	Method	TBLASTX:Cress
Start	6991	End	7338
GI	none	Score	71
Exons	6991..7131, 7010..7129, 7161..7331, 7186..7338		
Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o1.ts	Method	TBLASTX:Soybean

Start	7072	End	7500
GI	none	Score	48
Exons	7072..7140, 7090..7146, 7146..7367, 7159..7335, 7362..7424, 7417..7500, 7425..7499		

Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o4.tw	Method	TBLASTX:Wheat
Start	7416	End	7766
GI	none	Score	155
Exons	7416..7673, 7421..7663, 7429..7671, 7431..7682, 7432..7674, 7680..7766		

Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o5.np	Method	AAT/NAP
Start	19740	End	23159
GI	6063554	Score	223
Exons	19740..19912, 21350..21581, 21699..21918, 23092..23159		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48609	Seq. ID	OJ991112_02.0420.C28
Gene No.	103543	Strand	-
Start	19740	End	23159
Name	OJ991112_02.0420.C28.o3.gp	Method	AAT/GAP
Start	19980	End	20355
GI	2427387	Score	623
Exons	19980..20355		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	48610	Seq. ID	OJ991112_02.0420.C29
Gene No.	103544	Strand	+
Start	208	End	2294
Name	OJ991112_02.0420.C29.o1.gs	Method	GENSCAN
Start	208	End	1901
GI	none	Score	.45
Exons	208..374, 520..670, 797..1296, 1412..1901		

Seq. No.	48610	Seq. ID	OJ991112_02.0420.C29
Gene No.	103544	Strand	+
Start	208	End	2294
Name	OJ991112_02.0420.C29.o1.np	Method	AAT/NAP
Start	761	End	2294
GI	7248394	Score	715
Exons	761..800, 828..1691, 2231..2294		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	48610	Seq. ID	OJ991112_02.0420.C29

Gene No.	103544	Strand	+
Start	208	End	2294
Name	OJ991112_02.0420.C29.o1.ts	Method	TBLASTX:Soybean
Start	914	End	1252
GI	none	Score	199
Exons	914..1252		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103545	Strand	+
Start	114	End	4399
Name	OJ991112_02.0420.C30.o1.gs	Method	GENSCAN
Start	114	End	4399
GI	none	Score	.57
Exons	114..346, 1061..1165, 3787..3888, 4252..4399		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103545	Strand	+
Start	114	End	4399
Name	OJ991112_02.0420.C30.o1.gp	Method	AAT/GAP
Start	1116	End	1497
GI	uC-osflcyp033a04b1	Score	671
Exons	1116..1497		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103546	Strand	+
Start	8115	End	10037
Name	OJ991112_02.0420.C30.o3.gs	Method	GENSCAN
Start	8115	End	10037
GI	none	Score	.67
Exons	8115..8332, 8490..8580, 8858..9067, 9105..9349, 9575..10037		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103547	Strand	+
Start	14046	End	16991
Name	OJ991112_02.0420.C30.o3.np	Method	AAT/NAP
Start	14046	End	16991
GI	4966374	Score	2349
Exons	14046..14627, 14703..16991		
GI Descrip.	(AC006341) >F3O9.28 [Arabidopsis thaliana]		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103548	Strand	+
Start	37060	End	39468
Name	OJ991112_02.0420.C30.o8.gs	Method	GENSCAN
Start	37060	End	39468
GI	none	Score	.66
Exons	37060..37147, 37297..37388, 38689..39135, 39463..39468		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103549	Strand	-
Start	5402	End	7807
Name	OJ991112_02.0420.C30.o2.gs	Method	GENSCAN
Start	5402	End	7807
GI	none	Score	.51
Exons	5402..5419, 6349..6479, 6712..6757, 6976..7102, 7482..7609,		

7676..7807

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103550	Strand	-
Start	8880	End	12328
Name	OJ991112_02.0420.C30.o1.np	Method	AAT/NAP
Start	8880	End	10977
GI	6069646	Score	2649
Exons	8880..9864, 10146..10977		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103550	Strand	-
Start	8880	End	12328
Name	OJ991112_02.0420.C30.o4.gs	Method	GENSCAN
Start	10237	End	12328
GI	none	Score	.95
Exons	10237..11361, 11368..11751, 11825..12328		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103550	Strand	-
Start	8880	End	12328
Name	OJ991112_02.0420.C30.o2.np	Method	AAT/NAP
Start	10789	End	11193
GI	804809	Score	128
Exons	10789..11193		
GI Descrip.	(M13100) unknown protein [Rattus norvegicus]		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103551	Strand	-
Start	21916	End	27155
Name	OJ991112_02.0420.C30.o6.gs	Method	GENSCAN
Start	21916	End	24962
GI	none	Score	.94
Exons	21916..22842, 24258..24962		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103551	Strand	-
Start	21916	End	27155
Name	OJ991112_02.0420.C30.o4.np	Method	AAT/NAP
Start	21958	End	27155
GI	4558564	Score	1128
Exons	21958..22859, 24272..24853, 27083..27155		
GI Descrip.	(AC007138) predicted protein of unknown function [Arabidopsis thaliana]		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103551	Strand	-
Start	21916	End	27155
Name	OJ991112_02.0420.C30.o3.gp	Method	AAT/GAP
Start	24103	End	24186
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	24103..24186		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103552	Strand	-
Start	36637	End	36698
Name	OJ991112_02.0420.C30.o4.gp	Method	AAT/GAP
Start	36637	End	36698
GI	4715947	Score	69
Exons	36637..36698		

GI Descrip. 2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o5.tm	Method	TBLASTX:Maize
Start	8895	End	9456
GI	none	Score	89
Exons	8895..9119, 9120..9455, 9139..9456		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o2.tw	Method	TBLASTX:Wheat
Start	9006	End	9359
GI	none	Score	73
Exons	9006..9041, 9162..9359, 9166..9330		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o11.tm	Method	TBLASTX:Maize
Start	9456	End	9701
GI	none	Score	65
Exons	9456..9701, 9457..9699		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o3.tw	Method	TBLASTX:Wheat
Start	9843	End	10237
GI	none	Score	126
Exons	9843..9971, 9981..10079, 10076..10237		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o2.tm	Method	TBLASTX:Maize
Start	9922	End	10626
GI	none	Score	93
Exons	9922..10083, 9924..10082, 10067..10237, 10204..10626, 10231..10617, 10458..10622		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o4.tw	Method	TBLASTX:Wheat
Start	10423	End	10692
GI	none	Score	60
Exons	10423..10692, 10424..10519		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o3.tm	Method	TBLASTX:Maize
Start	10630	End	11115
GI	none	Score	50
Exons	10630..10713, 10637..10696, 10708..10950, 10724..10951, 10975..11115, 10991..11101		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o7.tm	Method	TBLASTX:Maize
Start	11119	End	11592
GI	none	Score	88
Exons	11119..11475, 11473..11592		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o9.tm	Method	TBLASTX:Maize
Start	11759	End	12040
GI	none	Score	167
Exons	11759..11875, 11879..12040		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o3.tc	Method	TBLASTX:Cress
Start	14211	End	16403
GI	none	Score	84
Exons	14211..14390, 14517..14690, 14528..14683, 14820..14993, 15123..15344, 15426..15587, 15732..15878, 16079..16381, 16080..16403		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o1.tw	Method	TBLASTX:Wheat
Start	14217	End	16292
GI	none	Score	69
Exons	14217..14378, 14412..14690, 14456..14614, 14910..15326, 15216..15587, 15510..15587, 15627..15857, 15930..16292, 16127..16237		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773

Name	OJ991112_02.0420.C30.o4.ts	Method	TBLASTX:Soybean
Start	14412	End	16220
GI	none	Score	81
Exons	14412..14576, 14502..14879, 14777..14881, 14805..15182, 15108..15485, 15405..15494, 15627..15791, 15711..15839, 16014..16220		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o1.tm	Method	TBLASTX:Maize
Start	14637	End	16727
GI	none	Score	138
Exons	14637..14969, 14673..15050, 14747..15001, 14766..14891, 14931..15191, 14949..15326, 14955..15290, 15162..15554, 15258..15587, 15258..15614, 15555..15581, 15624..15878, 15627..15863, 15627..15878, 15765..16046, 15930..16028, 15930..16187, 16080..16727, 16080..16235, 16080..16163, 16091..16375		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o2.ts	Method	TBLASTX:Soybean
Start	16233	End	16772
GI	none	Score	411
Exons	16233..16772, 16289..16642		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o1.tc	Method	TBLASTX:Cress
Start	16461	End	17050
GI	none	Score	411
Exons	16461..16994, 16662..16994, 16703..17050		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o6.tm	Method	TBLASTX:Maize
Start	16728	End	16994
GI	none	Score	308
Exons	16728..16994, 16787..16993		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o3.ts	Method	TBLASTX:Soybean
Start	16776	End	16994
GI	none	Score	251
Exons	16776..16994, 16787..16993		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o2.tc	Method	TBLASTX:Cress
Start	21949	End	22383

GI	none	Score	80
Exons	21949..22335, 22132..22287, 22175..22333, 22330..22383		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o4.tm	Method	TBLASTX:Maize
Start	21954	End	22336
GI	none	Score	101
Exons	21954..22064, 21959..22078, 21964..22335, 22126..22326, 22175..22336		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o1.ts	Method	TBLASTX:Soybean
Start	21967	End	24813
GI	none	Score	70
Exons	21967..22335, 21968..22081, 22175..22333, 22330..22410, 22414..22533, 22415..22531, 22690..22815, 24411..24575, 24655..24738, 24661..24813, 24711..24794		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o8.tm	Method	TBLASTX:Maize
Start	22348	End	24603
GI	none	Score	43
Exons	22348..22431, 24257..24295, 24258..24311, 24381..24524, 24395..24472, 24397..24510, 24501..24602, 24525..24593, 24559..24603		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o10.tm	Method	TBLASTX:Maize
Start	22501	End	22819
GI	none	Score	55
Exons	22501..22536, 22502..22537, 22573..22818, 22595..22819		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773
Name	OJ991112_02.0420.C30.o5.np	Method	AAT/NAP
Start	38911	End	40695
GI	7488303	Score	67
Exons	38911..39060, 40524..40695		
GI Descrip.	ribonucleoprotein homolog T4I9.1 - Arabidopsis thaliana gi|3924594|gb|AAC79095.1| (AF069442) putative ribonucleoprotein [Arabidopsis thaliana] gi|4262139|gb|AAD14439.1| (AC005275) putative ribonucleoprotein [Arabidopsis thaliana] gi|7270181|emb|CAB77796.1| (AL161496) putative ribonucleoprotein [Arabidopsis thaliana]		

Seq. No.	48611	Seq. ID	OJ991112_02.0420.C30
Gene No.	103553	Strand	-
Start	38911	End	40773

Name	OJ991112_02.0420.C30.o9.gs	Method	GENSCAN
Start	39970	End	40773
GI	none	Score	.43
Exons	39970..40067, 40524..40575, 40624..40773		

Seq. No.	48612	Seq. ID	OJ991112_02.0420.C31
Gene No.	103554	Strand	+
Start	96	End	2154
Name	OJ991112_02.0420.C31.o1.gs	Method	GENSCAN
Start	96	End	2154
GI	none	Score	.84
Exons	96..1212, 1292..1707, 2119..2154		

Seq. No.	48612	Seq. ID	OJ991112_02.0420.C31
Gene No.	103555	Strand	+
Start	2564	End	5371
Name	OJ991112_02.0420.C31.o2.np	Method	AAT/NAP
Start	2564	End	5371
GI	7106528	Score	102
Exons	2564..2588, 5253..5371		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48612	Seq. ID	OJ991112_02.0420.C31
Gene No.	103556	Strand	-
Start	3147	End	4288
Name	OJ991112_02.0420.C31.o1.tm	Method	TBLASTX:Maize
Start	216	End	677
GI	none	Score	46
Exons	216..248, 315..428, 419..502, 420..518, 612..677		

Seq. No.	48612	Seq. ID	OJ991112_02.0420.C31
Gene No.	103556	Strand	-
Start	3147	End	4288
Name	OJ991112_02.0420.C31.o2.gs	Method	GENSCAN
Start	3147	End	4288
GI	none	Score	.64
Exons	3147..3413, 3591..3711, 3752..3936, 4077..4288		

Seq. No.	48612	Seq. ID	OJ991112_02.0420.C31
Gene No.	103556	Strand	-
Start	3147	End	4288
Name	OJ991112_02.0420.C31.o1.np	Method	AAT/NAP
Start	3271	End	4288
GI	7106508	Score	432
Exons	3271..3517, 3768..3987, 4047..4288		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	48613	Seq. ID	OJ991112_02.0420.C32
Gene No.	103557	Strand	+
Start	6107	End	12388
Name	OJ991112_02.0420.C32.o2.gs	Method	GENSCAN
Start	6107	End	12388
GI	none	Score	.88
Exons	6107..6155, 6860..7014, 7680..7802, 8152..8246, 8274..8328, 9259..9782, 9814..10936, 12245..12388		

Seq. No.	48613	Seq. ID	OJ991112_02.0420.C32
Gene No.	103558	Strand	+
Start	17581	End	19516
Name	OJ991112_02.0420.C32.o4.gs	Method	GENSCAN
Start	17581	End	19516
GI	none	Score	.66
Exons	17581..17687, 18405..18537, 19171..19204, 19326..19516		

Seq. No.	48613	Seq. ID	OJ991112_02.0420.C32
Gene No.	103559	Strand	-
Start	874	End	6335
Name	OJ991112_02.0420.C32.o1.gs	Method	GENSCAN
Start	874	End	5038
GI	none	Score	.54
Exons	874..1217, 1638..1767, 2025..2034, 2257..2454, 4690..4835, 4853..5038		

Seq. No.	48613	Seq. ID	OJ991112_02.0420.C32
Gene No.	103559	Strand	-
Start	874	End	6335
Name	OJ991112_02.0420.C32.o2.np	Method	AAT/NAP
Start	4716	End	6335
GI	6907086	Score	454
Exons	4716..5066, 5133..5281, 5347..5459, 5514..6335		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48613	Seq. ID	OJ991112_02.0420.C32
Gene No.	103560	Strand	-
Start	7351	End	9610
Name	OJ991112_02.0420.C32.o3.np	Method	AAT/NAP
Start	7351	End	9610
GI	4680186	Score	168
Exons	7351..7482, 8062..8224, 9548..9610		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48613	Seq. ID	OJ991112_02.0420.C32
Gene No.	103561	Strand	-
Start	14355	End	14591
Name	OJ991112_02.0420.C32.o3.gs	Method	GENSCAN
Start	14355	End	14591
GI	none	Score	.87
Exons	14355..14591		

Seq. No.	48613	Seq. ID	OJ991112_02.0420.C32
Gene No.	103562	Strand	-
Start	17584	End	19009
Name	OJ991112_02.0420.C32.o1.tm	Method	TBLASTX:Maize
Start	901	End	1473
GI	none	Score	96
Exons	901..1059, 1153..1350, 1217..1351, 1381..1473		

Seq. No.	48613	Seq. ID	OJ991112_02.0420.C32
Gene No.	103562	Strand	-
Start	17584	End	19009
Name	OJ991112_02.0420.C32.o2.tm	Method	TBLASTX:Maize
Start	1636	End	1856
GI	none	Score	52

Exons	1636..1716, 1637..1717, 1734..1856, 1735..1806		
Seq. No.	48613	Seq. ID	OJ991112_02.0420.C32
Gene No.	103562	Strand	-
Start	17584	End	19009
Name	OJ991112_02.0420.C32.o4.np	Method	AAT/NAP
Start	17584	End	19009
GI	7228450	Score	223
Exons	17584..17699, 17785..17906, 18046..18156, 18920..19009		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		
Seq. No.	48614	Seq. ID	OJ991112_02.0420.C33
Gene No.	103563	Strand	+
Start	1008	End	2377
Name	OJ991112_02.0420.C33.o1.gs	Method	GENSCAN
Start	1008	End	2377
GI	none	Score	.69
Exons	1008..1177, 1461..1574, 2213..2377		
Seq. No.	48614	Seq. ID	OJ991112_02.0420.C33
Gene No.	103564	Strand	+
Start	3901	End	4373
Name	OJ991112_02.0420.C33.o2.gs	Method	GENSCAN
Start	3901	End	4373
GI	none	Score	.75
Exons	3901..4003, 4186..4373		
Seq. No.	48615	Seq. ID	OJ991112_02.0420.C34
Gene No.	103565	Strand	+
Start	615	End	703
Name	OJ991112_02.0420.C34.o1.gp	Method	AAT/GAP
Start	615	End	703
GI	5867_1.R1084	Score	129
Exons	615..703		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	48616	Seq. ID	OJ991112_08.0421.C1
Gene No.	103566	Strand	+
Start	3973	End	5793
Name	OJ991112_08.0421.C1.o1.np	Method	AAT/NAP
Start	3973	End	5781
GI	7485768	Score	1128
Exons	3973..4140, 4258..4417, 4455..5339, 5367..5781		
GI Descrip.	hypothetical protein F19F18.140 - Arabidopsis thaliana gi|4468990|emb|CAB38304.1| (AL035605) putative protein [Arabidopsis thaliana] gi|7270747|emb|CAB80430.1| (AL161591) putative protein [Arabidopsis thaliana]		
Seq. No.	48616	Seq. ID	OJ991112_08.0421.C1
Gene No.	103566	Strand	+
Start	3973	End	5793

Name	OJ991112_08.0421.C1.o1.ts	Method	TBLASTX:Soybean
Start	4543	End	4932
GI	none	Score	356
Exons	4543..4860, 4563..4862, 4900..4932		

Seq. No.	48616	Seq. ID	OJ991112_08.0421.C1
Gene No.	103566	Strand	+
Start	3973	End	5793
Name	OJ991112_08.0421.C1.o1.tc	Method	TBLASTX:Cress
Start	4629	End	5346
GI	none	Score	132
Exons	4629..4721, 4630..4749, 4737..4856, 4738..4860, 4900..4983, 4905..4946, 5049..5114, 5053..5136, 5239..5346		

Seq. No.	48616	Seq. ID	OJ991112_08.0421.C1
Gene No.	103566	Strand	+
Start	3973	End	5793
Name	OJ991112_08.0421.C1.o1.tm	Method	TBLASTX:Maize
Start	5223	End	5785
GI	none	Score	194
Exons	5223..5246, 5224..5355, 5302..5337, 5362..5781, 5394..5780, 5664..5783, 5717..5785		

Seq. No.	48616	Seq. ID	OJ991112_08.0421.C1
Gene No.	103566	Strand	+
Start	3973	End	5793
Name	OJ991112_08.0421.C1.o2.tc	Method	TBLASTX:Cress
Start	5512	End	5778
GI	none	Score	123
Exons	5512..5622, 5602..5664, 5719..5778		

Seq. No.	48616	Seq. ID	OJ991112_08.0421.C1
Gene No.	103566	Strand	+
Start	3973	End	5793
Name	OJ991112_08.0421.C1.o2.ts	Method	TBLASTX:Soybean
Start	5602	End	5793
GI	none	Score	122
Exons	5602..5691, 5620..5691, 5686..5775, 5713..5793		

Seq. No.	48617	Seq. ID	OJ991112_08.0421.C2
Gene No.	103567	Strand	+
Start	251	End	534
Name	OJ991112_08.0421.C2.o1.gs	Method	GENSCAN
Start	251	End	534
GI	none	Score	.4
Exons	251..337, 502..534		

Seq. No.	48618	Seq. ID	OJ991112_08.0421.C3
Gene No.	103568	Strand	-
Start	3901	End	5393
Name	OJ991112_08.0421.C3.o1.gs	Method	GENSCAN
Start	3901	End	5393
GI	none	Score	.56
Exons	3901..4062, 5376..5393		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103569	Strand	+

Start	333	End	3492
Name	OJ991112_08.0421.C4.o1.gs	Method	GENSCAN
Start	333	End	3492
GI	none	Score	.7
Exons	333..572, 990..1310, 1410..1856, 1871..1985, 2829..3037, 3157..3234, 3274..3492		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103570	Strand	+
Start	24824	End	29842
Name	OJ991112_08.0421.C4.o6.gs	Method	GENSCAN
Start	24824	End	29842
GI	none	Score	.52
Exons	24824..24863, 25112..25370, 25571..25654, 26174..26208, 27528..27636, 27727..28038, 28333..29842		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103570	Strand	+
Start	24824	End	29842
Name	OJ991112_08.0421.C4.o4.np	Method	AAT/NAP
Start	27473	End	29618
GI	6692260	Score	854
Exons	27473..27509, 28470..29434, 29544..29618		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103570	Strand	+
Start	24824	End	29842
Name	OJ991112_08.0421.C4.o4.gp	Method	AAT/GAP
Start	28270	End	28774
GI	none	Score	990
Exons	28270..28774		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103571	Strand	+
Start	35357	End	35436
Name	OJ991112_08.0421.C4.o6.gp	Method	AAT/GAP
Start	35357	End	35436
GI	38012_1.R1084	Score	101
Exons	35357..35436		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103572	Strand	-
Start	4863	End	7915
Name	OJ991112_08.0421.C4.o1.np	Method	AAT/NAP
Start	4863	End	7915
GI	6646754	Score	1419
Exons	4863..5938, 7731..7915		
GI Descrip.	(AC013258) unknown protein [Arabidopsis thaliana]		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103572	Strand	-
Start	4863	End	7915
Name	OJ991112_08.0421.C4.o1.gp	Method	AAT/GAP
Start	5266	End	5722

GI	none	Score	886
Exons	5266..5722		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103573	Strand	-
Start	10809	End	16079
Name	OJ991112_08.0421.C4.o2.np	Method	AAT/NAP
Start	9722	End	13203
GI	6723435	Score	321
Exons	9722..9742, 11110..11393, 11469..11652, 12717..13203		
GI Descrip.	(AL132965) putative protein [Arabidopsis thaliana]		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103573	Strand	-
Start	10809	End	16079
Name	OJ991112_08.0421.C4.o3.gs	Method	GENSCAN
Start	10809	End	16079
GI	none	Score	.86
Exons	10809..10989, 10997..11652, 12717..13219, 15246..15351, 15624..15696, 15841..16079		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103574	Strand	-
Start	21869	End	25406
Name	OJ991112_08.0421.C4.o2.gp	Method	AAT/GAP
Start	21373	End	22328
GI	41487_1.R1084	Score	1620
Exons	21373..21675, 21768..22328		
GI Descrip.	'322525/pir||S31445 7.0e-67 omnipotent suppressor protein SUP1 homolog (clone A18) - Arabidopsis thaliana (fragment) >gi_16512_emb_CAA49171_ (X69374) similar to yeast omnipotent suppressor protein SUP1 (SUP45); ORF [Arabidopsis thaliana]'		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103574	Strand	-
Start	21869	End	25406
Name	OJ991112_08.0421.C4.o5.gs	Method	GENSCAN
Start	21869	End	23182
GI	none	Score	.99
Exons	21869..23182		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103574	Strand	-
Start	21869	End	25406
Name	OJ991112_08.0421.C4.o3.np	Method	AAT/NAP
Start	21872	End	23179
GI	549010	Score	2013
Exons	21872..23179		
GI Descrip.	EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) gi|322554|pir||S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana gi|16514|emb|CAA49172| (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] gi|1402882|emb|CAA66813| (X98130) euka		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4

Gene No.	103574	Strand	-
Start	21869	End	25406
Name	OJ991112_08.0421.C4.o3.gp	Method	AAT/GAP
Start	22534	End	25406
GI	11928_1.R1084	Score	1489
Exons	22534..23210, 25324..25406		
GI Descrip.	'549010/sp|P35614|ERF1_ARATH 1.0e-107 EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) >gi_322554_pir__S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana >gi_16514_emb_CAA49172_ (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] >gi_1402882_emb_'		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103575	Strand	-
Start	29807	End	30009
Name	OJ991112_08.0421.C4.o5.gp	Method	AAT/GAP
Start	29807	End	30009
GI	none	Score	350
Exons	29807..30009		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o5.ts	Method	TBLASTX:Soybean
Start	4840	End	5034
GI	none	Score	203
Exons	4840..5034, 4842..5033		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o2.tm	Method	TBLASTX:Maize
Start	4855	End	5488
GI	none	Score	878
Exons	4855..5484, 4857..5483, 4858..5484, 5414..5488		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o3.tc	Method	TBLASTX:Cress
Start	4860	End	5093
GI	none	Score	137
Exons	4860..4991, 4861..4989, 4986..5093, 5005..5070		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o4.ts	Method	TBLASTX:Soybean
Start	5034	End	5360
GI	none	Score	334
Exons	5034..5360, 5035..5358		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419

Name	OJ991112_08.0421.C4.o2.ts	Method	TBLASTX:Soybean
Start	5361	End	5945
GI	none	Score	393
Exons	5361..5792, 5362..5793, 5578..5805, 5802..5945, 5806..5943		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o2.tc	Method	TBLASTX:Cress
Start	5457	End	5793
GI	none	Score	57
Exons	5457..5495, 5461..5493, 5505..5792, 5524..5793		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o3.tm	Method	TBLASTX:Maize
Start	5490	End	7821
GI	none	Score	360
Exons	5490..5942, 5490..5945, 5491..5946, 5527..5949, 5774..5953, 7756..7821		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	21563	End	23212
GI	none	Score	1831
Exons	21563..21604, 21601..21675, 21819..22046, 21827..23212, 21828..23210		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o1.ts	Method	TBLASTX:Soybean
Start	21818	End	23192
GI	none	Score	324
Exons	21818..23191, 21869..22300, 21933..23192		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o1.tc	Method	TBLASTX:Cress
Start	21893	End	23171
GI	none	Score	120
Exons	21893..23167, 21895..22122, 21911..22300, 21933..23171		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o2.tw	Method	TBLASTX:Wheat
Start	21896	End	22100
GI	none	Score	136
Exons	21896..22099, 21936..22100		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-

Start	30764	End	38419
Name	OJ991112_08.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	22257	End	22709
GI	none	Score	611
Exons	22257..22700, 22257..22436, 22259..22708, 22470..22709		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o3.ts	Method	TBLASTX:Soybean
Start	28529	End	29582
GI	none	Score	54
Exons	28529..28639, 28682..28876, 28708..28899, 28709..28900, 28721..28906, 28721..28900, 28735..28890, 28825..28908, 28921..28968, 29007..29069, 29008..29085, 29050..29154, 29095..29166, 29165..29449, 29173..29427, 29541..29582		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o4.tc	Method	TBLASTX:Cress
Start	28529	End	29166
GI	none	Score	78
Exons	28529..28639, 28709..28903, 28714..28896, 28721..28834, 29050..29166		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o4.tm	Method	TBLASTX:Maize
Start	28700	End	29470
GI	none	Score	168
Exons	28700..28873, 28708..28899, 28709..28924, 28721..28831, 28724..28915, 28724..28861, 28726..28899, 28927..28956, 29007..29132, 29008..29145, 29008..29151, 29194..29259, 29195..29260, 29245..29433, 29252..29470		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o5.tc	Method	TBLASTX:Cress
Start	29168	End	29440
GI	none	Score	229
Exons	29168..29440, 29170..29439		

Seq. No.	48619	Seq. ID	OJ991112_08.0421.C4
Gene No.	103576	Strand	-
Start	30764	End	38419
Name	OJ991112_08.0421.C4.o7.gs	Method	GENSCAN
Start	30764	End	38419
GI	none	Score	.6
Exons	30764..30886, 30957..30998, 32097..32118, 33614..34026, 34121..34251, 34902..34962, 37357..37523, 38348..38419		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103577	Strand	+
Start	3715	End	4094

Name	OJ991112_08.0421.C5.o1.gp	Method	AAT/GAP
Start	3715	End	4094
GI	5004502	Score	536
Exons	3715..4094		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103578	Strand	+
Start	4054	End	10470
Name	OJ991112_08.0421.C5.o2.gp	Method	AAT/GAP
Start	4054	End	4273
GI	none	Score	210
Exons	4054..4127, 4217..4273		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103578	Strand	+
Start	4054	End	10470
Name	OJ991112_08.0421.C5.o2.gs	Method	GENSCAN
Start	4118	End	10470
GI	none	Score	.8
Exons	4118..4127, 4217..4397, 5609..5689, 5938..6020, 6111..6226, 6310..6420, 6527..6639, 6736..7042, 7129..7212, 7438..7509, 8118..8186, 9021..9128, 9185..9238, 10372..10470		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103578	Strand	+
Start	4054	End	10470
Name	OJ991112_08.0421.C5.o3.gp	Method	AAT/GAP
Start	8139	End	8938
GI	none	Score	694
Exons	8139..8186, 8614..8938		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103579	Strand	+
Start	11277	End	20301
Name	OJ991112_08.0421.C5.o4.np	Method	AAT/NAP
Start	11277	End	15958
GI	6069646	Score	66
Exons	11277..11332, 15652..15958		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103579	Strand	+
Start	11277	End	20301
Name	OJ991112_08.0421.C5.o3.np	Method	AAT/NAP
Start	12735	End	14494
GI	7494125	Score	80
Exons	12735..13256, 14462..14494		
GI Descrip.	myosin-IA - Acanthamoeba castellanii gi|3599478|gb|AAC35357.1| (AF085185) Myosin-IA [Acanthamoeba castellanii]		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103579	Strand	+
Start	11277	End	20301

Name	OJ991112_08.0421.C5.o4.gs	Method	GENSCAN
Start	14971	End	20301
GI	none	Score	.53
Exons	14971..15102, 15398..15580, 15766..15802, 16345..16458, 18470..18622, 18647..18669, 19998..20048, 20215..20301		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103580	Strand	-
Start	194	End	3801
Name	OJ991112_08.0421.C5.o1.gs	Method	GENSCAN
Start	194	End	3801
GI	none	Score	.62
Exons	194..621, 1040..1241, 2401..2510, 2606..2748, 2940..3090, 3183..3290, 3624..3801		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103580	Strand	-
Start	194	End	3801
Name	OJ991112_08.0421.C5.o1.np	Method	AAT/NAP
Start	1843	End	2132
GI	6815099	Score	92
Exons	1843..2132		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103581	Strand	-
Start	10778	End	14463
Name	OJ991112_08.0421.C5.o3.gs	Method	GENSCAN
Start	10778	End	13204
GI	none	Score	.61
Exons	10778..13204		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103581	Strand	-
Start	10778	End	14463
Name	OJ991112_08.0421.C5.o2.np	Method	AAT/NAP
Start	10781	End	14463
GI	4263522	Score	1279
Exons	10781..12202, 12332..12640, 12767..13010, 14422..14463		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o4.tm	Method	TBLASTX:Maize
Start	252	End	617
GI	none	Score	113
Exons	252..488, 259..408, 260..496, 362..490, 480..617, 527..580, 531..614		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o3.tm	Method	TBLASTX:Maize
Start	6151	End	6637
GI	none	Score	98
Exons	6151..6225, 6155..6226, 6155..6226, 6263..6421, 6273..6422,		

6298..6423, 6301..6426, 6309..6434, 6520..6621, 6520..6621,
6524..6622, 6527..6637

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o3.ts	Method	TBLASTX:Soybean
Start	6294	End	7036
GI	none	Score	121
Exons	6294..6422, 6298..6423, 6313..6423, 6542..6664, 6740..6838, 6748..6810, 6902..7036, 6913..6996		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o2.tm	Method	TBLASTX:Maize
Start	6728	End	8191
GI	none	Score	436
Exons	6728..7042, 6734..7042, 7121..7207, 7128..7208, 7129..7215, 7293..7349, 7296..7349, 7413..7508, 7423..7509, 7432..7509, 8091..8189, 8116..8190, 8117..8191		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o1.tc	Method	TBLASTX:Cress
Start	10776	End	11299
GI	none	Score	76
Exons	10776..10979, 10778..10906, 10778..11299, 10779..11090, 11127..11273		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o2.ts	Method	TBLASTX:Soybean
Start	10778	End	11071
GI	none	Score	161
Exons	10778..11071, 10779..11060		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o5.tm	Method	TBLASTX:Maize
Start	10778	End	11044
GI	none	Score	140
Exons	10778..11044, 10779..10985		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	11045	End	12633
GI	none	Score	176
Exons	11045..11914, 11067..11453, 11576..11911, 11597..11782, 11609..11872, 11676..11819, 11813..12088, 11888..12085, 12017..12190, 12017..12178, 12017..12184, 12017..12178, 12215..12409, 12221..12301, 12221..12502, 12236..12325,		

12287..12460, 12324..12440, 12329..12505, 12434..12541,
12505..12570, 12532..12633

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	11090	End	11599
GI	none	Score	132
Exons	11090..11599, 11091..11450, 11093..11566		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	11477	End	12493
GI	none	Score	98
Exons	11477..11947, 12005..12184, 12221..12355, 12269..12493		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o2.tc	Method	TBLASTX:Cress
Start	11498	End	12652
GI	none	Score	104
Exons	11498..11608, 11537..11746, 11612..12178, 11618..11839, 11621..11896, 11898..12149, 11909..12100, 12017..12184, 12221..12334, 12236..12538, 12240..12419, 12263..12310, 12407..12544, 12485..12535, 12551..12652, 12566..12646		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o4.ts	Method	TBLASTX:Soybean
Start	11639	End	12658
GI	none	Score	85
Exons	11639..11878, 11647..11847, 11673..11849, 11942..12085, 12035..12193, 12221..12292, 12461..12541, 12566..12658		

Seq. No.	48620	Seq. ID	OJ991112_08.0421.C5
Gene No.	103582	Strand	-
Start	17430	End	17510
Name	OJ991112_08.0421.C5.o4.gp	Method	AAT/GAP
Start	17430	End	17510
GI	uC-osflcyp121e07b1	Score	131
Exons	17430..17510		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 7.0e-19 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	48621	Seq. ID	OJ991112_08.0421.C6
Gene No.	103583	Strand	+
Start	1	End	4700
Name	OJ991112_08.0421.C6.o1.np	Method	AAT/NAP
Start	1	End	4700
GI	6503010	Score	945
Exons	1..318, 413..612, 3337..3578, 3867..4700		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		

Seq. No.	48621	Seq. ID	OJ991112_08.0421.C6
Gene No.	103583	Strand	+
Start	1	End	4700
Name	OJ991112_08.0421.C6.o1.gs	Method	GENSCAN
Start	2	End	4658
GI	none	Score	.88
Exons	2..318, 413..612, 3337..3578, 3867..4557, 4582..4658		

Seq. No.	48621	Seq. ID	OJ991112_08.0421.C6
Gene No.	103584	Strand	-
Start	1773	End	5577
Name	OJ991112_08.0421.C6.o3.ts	Method	TBLASTX:Soybean
Start	513	End	3577
GI	none	Score	101
Exons	513..614, 513..593, 3336..3434, 3441..3575, 3449..3577		

Seq. No.	48621	Seq. ID	OJ991112_08.0421.C6
Gene No.	103584	Strand	-
Start	1773	End	5577
Name	OJ991112_08.0421.C6.o2.np	Method	AAT/NAP
Start	1773	End	5577
GI	6721547	Score	78
Exons	1773..1808, 4521..4620, 5493..5577		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	48621	Seq. ID	OJ991112_08.0421.C6
Gene No.	103584	Strand	-
Start	1773	End	5577
Name	OJ991112_08.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	3339	End	4079
GI	none	Score	84
Exons	3339..3434, 3441..3578, 3452..3589, 3855..4079, 3920..4078		

Seq. No.	48621	Seq. ID	OJ991112_08.0421.C6
Gene No.	103584	Strand	-
Start	1773	End	5577
Name	OJ991112_08.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	3348	End	4100
GI	none	Score	358
Exons	3348..3578, 3357..3392, 3437..3577, 3851..4087, 3864..4100, 3864..4076, 3920..4099		

Seq. No.	48621	Seq. ID	OJ991112_08.0421.C6
Gene No.	103584	Strand	-
Start	1773	End	5577
Name	OJ991112_08.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	3864	End	4241
GI	none	Score	295
Exons	3864..4100, 3920..4078, 4119..4241		

Seq. No.	48621	Seq. ID	OJ991112_08.0421.C6
Gene No.	103584	Strand	-
Start	1773	End	5577
Name	OJ991112_08.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	4314	End	4595
GI	none	Score	240

Exons	4314..4556, 4317..4595, 4328..4576		
Seq. No.	48621	Seq. ID	OJ991112_08.0421.C6
Gene No.	103584	Strand	-
Start	1773	End	5577
Name	OJ991112_08.0421.C6.o2.ts	Method	TBLASTX:Soybean
Start	4314	End	4595
GI	none	Score	212
Exons	4314..4523, 4316..4531, 4527..4595, 4535..4594		
Seq. No.	48622	Seq. ID	OJ991112_08.0421.C7
Gene No.	103585	Strand	+
Start	532	End	2894
Name	OJ991112_08.0421.C7.o1.gs	Method	GENSCAN
Start	532	End	2894
GI	none	Score	.89
Exons	532..1028, 1119..1350, 1451..1699, 1805..1896, 2114..2894		
Seq. No.	48622	Seq. ID	OJ991112_08.0421.C7
Gene No.	103586	Strand	-
Start	1808	End	3664
Name	OJ991112_08.0421.C7.o2.np	Method	AAT/NAP
Start	1808	End	3664
GI	5852093	Score	68
Exons	1808..1838, 3515..3664		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	48622	Seq. ID	OJ991112_08.0421.C7
Gene No.	103587	Strand	-
Start	4137	End	9177
Name	OJ991112_08.0421.C7.o1.tc	Method	TBLASTX:Cress
Start	703	End	954
GI	none	Score	46
Exons	703..753, 760..954		
Seq. No.	48622	Seq. ID	OJ991112_08.0421.C7
Gene No.	103587	Strand	-
Start	4137	End	9177
Name	OJ991112_08.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	1552	End	2240
GI	none	Score	36
Exons	1552..1617, 1553..1633, 1616..1699, 1618..1701, 1618..1701, 1634..1702, 1796..1894, 1803..1895, 1804..1896, 1804..1896, 2111..2230, 2112..2240, 2119..2238		
Seq. No.	48622	Seq. ID	OJ991112_08.0421.C7
Gene No.	103587	Strand	-
Start	4137	End	9177
Name	OJ991112_08.0421.C7.o2.gs	Method	GENSCAN
Start	4137	End	9177
GI	none	Score	.41
Exons	4137..4235, 4351..4416, 4533..4598, 4685..4888, 4985..5531, 7597..7621, 9105..9177		
Seq. No.	48622	Seq. ID	OJ991112_08.0421.C7
Gene No.	103587	Strand	-
Start	4137	End	9177

Name	OJ991112_08.0421.C7.o3.np	Method	AAT/NAP
Start	4143	End	4888
GI	6693022	Score	269
Exons	4143..4244, 4302..4416, 4533..4598, 4685..4888		
GI Descrip.	(AC012375) T22C5.19 [Arabidopsis thaliana]		

Seq. No.	48623	Seq. ID	OJ991112_08.0421.C10
Gene No.	103588	Strand	-
Start	145	End	288
Name	OJ991112_08.0421.C10.o1.gs	Method	GENSCAN
Start	145	End	288
GI	none	Score	.51
Exons	145..288		

Seq. No.	48624	Seq. ID	OJ991202_09.0421.C1
Gene No.	103589	Strand	-
Start	487	End	1447
Name	OJ991202_09.0421.C1.o1.gs	Method	GENSCAN
Start	487	End	1447
GI	none	Score	.76
Exons	487..588, 1340..1447		

Seq. No.	48625	Seq. ID	OJ991202_09.0421.C2
Gene No.	103590	Strand	+
Start	1525	End	1924
Name	OJ991202_09.0421.C2.o1.np	Method	AAT/NAP
Start	1525	End	1924
GI	7340868	Score	170
Exons	1525..1924		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48626	Seq. ID	OJ991202_09.0421.C3
Gene No.	103591	Strand	-
Start	1222	End	3255
Name	OJ991202_09.0421.C3.o1.gs	Method	GENSCAN
Start	1222	End	3225
GI	none	Score	.77
Exons	1222..1548, 1853..2106, 2241..2543, 2631..3225		

Seq. No.	48626	Seq. ID	OJ991202_09.0421.C3
Gene No.	103591	Strand	-
Start	1222	End	3255
Name	OJ991202_09.0421.C3.o1.np	Method	AAT/NAP
Start	1733	End	3255
GI	7106512	Score	1782
Exons	1733..2543, 2593..3255		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48627	Seq. ID	OJ991202_09.0421.C4
Gene No.	103592	Strand	-
Start	1	End	2782
Name	OJ991202_09.0421.C4.o1.np	Method	AAT/NAP
Start	1	End	2189
GI	7106512	Score	1253
Exons	1..514, 672..2057, 2130..2189		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	48627	Seq. ID	OJ991202_09.0421.C4
Gene No.	103592	Strand	-
Start	1	End	2782
Name	OJ991202_09.0421.C4.o1.gs	Method	GENSCAN
Start	47	End	2782
GI	none	Score	.9
Exons	47..338, 974..1235, 1391..1634, 1997..2057, 2598..2782		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103593	Strand	+
Start	1	End	1120
Name	OJ991202_09.0421.C5.o1.np	Method	AAT/NAP
Start	1	End	1117
GI	6983860	Score	1892
Exons	1..1117		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103593	Strand	+
Start	1	End	1120
Name	OJ991202_09.0421.C5.o1.gs	Method	GENSCAN
Start	284	End	1120
GI	none	Score	.81
Exons	284..1120		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103594	Strand	+
Start	4638	End	5426
Name	OJ991202_09.0421.C5.o2.np	Method	AAT/NAP
Start	4638	End	5426
GI	6983861	Score	1327
Exons	4638..5426		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103595	Strand	+
Start	5854	End	6644
Name	OJ991202_09.0421.C5.o3.np	Method	AAT/NAP
Start	5854	End	6644
GI	5042447	Score	1000
Exons	5854..6644		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103596	Strand	-
Start	1384	End	2259
Name	OJ991202_09.0421.C5.o3.tm	Method	TBLASTX:Maize
Start	1	End	244
GI	none	Score	321
Exons	1..240, 2..244		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103596	Strand	-

Start	1384	End	2259
Name	OJ991202_09.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	113	End	739
GI	none	Score	723
Exons	113..739, 172..618, 679..738		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103596	Strand	-
Start	1384	End	2259
Name	OJ991202_09.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	292	End	877
GI	none	Score	229
Exons	292..447, 293..454, 451..615, 452..877, 679..876		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103596	Strand	-
Start	1384	End	2259
Name	OJ991202_09.0421.C5.o3.tw	Method	TBLASTX:Wheat
Start	739	End	1072
GI	none	Score	314
Exons	739..1020, 740..1072		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103596	Strand	-
Start	1384	End	2259
Name	OJ991202_09.0421.C5.o2.gs	Method	GENSCAN
Start	1384	End	2259
GI	none	Score	.83
Exons	1384..2259		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103597	Strand	
Start	5880	End	6185
Name	OJ991202_09.0421.C5.o4.tw	Method	TBLASTX:Wheat
Start	5880	End	6185
GI	none	Score	120
Exons	5880..6020, 5939..6007, 6069..6185, 6107..6184		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103598	Strand	
Start	6188	End	6629
Name	OJ991202_09.0421.C5.o2.tw	Method	TBLASTX:Wheat
Start	6188	End	6629
GI	none	Score	510
Exons	6188..6628, 6189..6629		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103598	Strand	
Start	6188	End	6629
Name	OJ991202_09.0421.C5.o2.tm	Method	TBLASTX:Maize
Start	6198	End	6490
GI	none	Score	332
Exons	6198..6488, 6200..6490		

Seq. No.	48628	Seq. ID	OJ991202_09.0421.C5
Gene No.	103598	Strand	
Start	6188	End	6629

Name	OJ991202_09.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	6225	End	6539
GI	none	Score	198
Exons	6225..6539		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103599	Strand	+
Start	461	End	1867
Name	OJ991202_09.0421.C6.o1.gs	Method	GENSCAN
Start	461	End	1867
GI	none	Score	.8
Exons	461..679, 1810..1867		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103600	Strand	+
Start	13068	End	13965
Name	OJ991202_09.0421.C6.o4.gs	Method	GENSCAN
Start	13068	End	13965
GI	none	Score	.52
Exons	13068..13401, 13460..13597, 13646..13965		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103601	Strand	-
Start	3748	End	15692
Name	OJ991202_09.0421.C6.o1.np	Method	AAT/NAP
Start	2729	End	6877
GI	6729489	Score	736
Exons	2729..2849, 3810..4402, 4497..5800, 6784..6877		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103601	Strand	-
Start	3748	End	15692
Name	OJ991202_09.0421.C6.o2.gs	Method	GENSCAN
Start	3748	End	8197
GI	none	Score	.8
Exons	3748..4402, 4497..6041, 7178..7276, 7724..7918, 8109..8197		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103601	Strand	-
Start	3748	End	15692
Name	OJ991202_09.0421.C6.o2.np	Method	AAT/NAP
Start	5120	End	5848
GI	7442134	Score	235
Exons	5120..5848		
GI Descrip.	agglutinin (WBA I) - winged bean (fragment)		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103601	Strand	-
Start	3748	End	15692
Name	OJ991202_09.0421.C6.o5.np	Method	AAT/NAP
Start	5363	End	14877
GI	5430769	Score	429
Exons	5363..5546, 9636..10262, 10360..10732, 10807..11329, 11522..11597, 14204..14360, 14690..14877		
GI Descrip.	(AC007504) Similar to somatic embryogenesis receptor-like kinase		

[Arabidopsis thaliana]

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103601	Strand	-
Start	3748	End	15692
Name	OJ991202_09.0421.C6.o3.gs	Method	GENSCAN
Start	9593	End	11785
GI	none	Score	.76
Exons	9593..10262, 10360..10568, 10610..11785		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103601	Strand	-
Start	3748	End	15692
Name	OJ991202_09.0421.C6.o3.np	Method	AAT/NAP
Start	9686	End	11764
GI	1418331	Score	699
Exons	9686..10262, 10360..10737, 10792..10961, 10992..11764		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103601	Strand	-
Start	3748	End	15692
Name	OJ991202_09.0421.C6.o4.np	Method	AAT/NAP
Start	10944	End	11784
GI	2204242	Score	251
Exons	10944..11784		
GI Descrip.	(Z69999) lectin 3 [Phaseolus lunatus]		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103601	Strand	-
Start	3748	End	15692
Name	OJ991202_09.0421.C6.o5.gs	Method	GENSCAN
Start	14065	End	15692
GI	none	Score	.69
Exons	14065..14127, 14199..14344, 14631..14789, 14853..14983, 14988..15412, 15438..15692		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103602	Strand	-
Start	16012	End	16332
Name	OJ991202_09.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	3823	End	10448
GI	none	Score	65
Exons	3823..4056, 3836..4054, 3871..4056, 4042..4155, 4093..4221, 4094..4210, 4243..4425, 4244..4330, 4493..4585, 9683..9916, 9731..9916, 9942..10070, 9953..10081, 10103..10225, 10103..10264, 10350..10448		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103602	Strand	-
Start	16012	End	16332
Name	OJ991202_09.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	3853	End	11365
GI	none	Score	90
Exons	3853..4062, 4084..4221, 4094..4210, 4225..4404, 4243..4407, 4529..4693, 4688..4873, 5144..5254, 5378..5503, 9713..9937, 9953..10081, 9954..10085, 10085..10264, 10103..10267,		

10392..10550, 10551..10655, 11006..11116, 11240..11365

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103602	Strand	-
Start	16012	End	16332
Name	OJ991202_09.0421.C6.o1.tw	Method	TBLASTX:Wheat
Start	4090	End	10264
GI	none	Score	87
Exons	4090..4209, 4094..4210, 4252..4404, 4262..4330, 9950..10069, 9954..10070, 10112..10264		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103602	Strand	-
Start	16012	End	16332
Name	OJ991202_09.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	4132	End	10622
GI	none	Score	75
Exons	4132..4221, 4243..4407, 4243..4407, 4488..4607, 4496..4693, 4703..4759, 9992..10081, 10103..10267, 10103..10267, 10350..10550, 10566..10622		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103602	Strand	-
Start	16012	End	16332
Name	OJ991202_09.0421.C6.o3.tm	Method	TBLASTX:Maize
Start	4592	End	10632
GI	none	Score	111
Exons	4592..4690, 4593..4682, 4725..4820, 4736..4837, 10455..10505, 10455..10553, 10456..10545, 10588..10632, 10599..10631		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103602	Strand	-
Start	16012	End	16332
Name	OJ991202_09.0421.C6.o2.ts	Method	TBLASTX:Soybean
Start	5135	End	11644
GI	none	Score	104
Exons	5135..5173, 5183..5326, 5357..5497, 5573..5611, 5606..5722, 10994..11035, 11045..11188, 11219..11359, 11435..11473, 11468..11644		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103602	Strand	-
Start	16012	End	16332
Name	OJ991202_09.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	5285	End	11341
GI	none	Score	131
Exons	5285..5479, 5325..5474, 11147..11341, 11154..11336		

Seq. No.	48629	Seq. ID	OJ991202_09.0421.C6
Gene No.	103602	Strand	-
Start	16012	End	16332
Name	OJ991202_09.0421.C6.o6.gs	Method	GENSCAN
Start	16012	End	16332
GI	none	Score	.73
Exons	16012..16332		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7

Gene No.	103603	Strand	+
Start	6554	End	10955
Name	OJ991202_09.0421.C7.o1.gp	Method	AAT/GAP
Start	6349	End	6792
GI	2428769	Score	830
Exons	6349..6792		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103603	Strand	+
Start	6554	End	10955
Name	OJ991202_09.0421.C7.o3.gs	Method	GENSCAN
Start	6554	End	10955
GI	none	Score	.75
Exons	6554..10805, 10822..10955		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103603	Strand	+
Start	6554	End	10955
Name	OJ991202_09.0421.C7.o1.np	Method	AAT/NAP
Start	6665	End	10828
GI	7228446	Score	2987
Exons	6665..7254, 7288..8940, 9004..9873, 9961..10828		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103604	Strand	+
Start	11100	End	11591
Name	OJ991202_09.0421.C7.o2.gp	Method	AAT/GAP
Start	11100	End	11591
GI	2428769	Score	309
Exons	11100..11265, 11556..11591		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103605	Strand	-
Start	5096	End	6064
Name	OJ991202_09.0421.C7.o2.gs	Method	GENSCAN
Start	5096	End	6064
GI	none	Score	.89
Exons	5096..6064		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o2.tm	Method	TBLASTX:Maize
Start	4420	End	5197
GI	none	Score	65
Exons	4420..4641, 4456..4632, 4667..4795, 4675..4806, 4823..4900, 4828..4956, 4828..5004, 5102..5197		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o2.tc	Method	TBLASTX:Cress
Start	4438	End	5752
GI	none	Score	89

Exons	4438..4647, 4678..4806, 4679..4810, 4810..5004, 4825..4986, 5135..5293, 5294..5479, 5651..5752, 5652..5720		
Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o3.ts	Method	TBLASTX:Soybean
Start	4717	End	5365
GI	none	Score	63
Exons	4717..4806, 4808..4900, 4828..5004, 5094..5213, 5099..5293, 5309..5365		
Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o5.tw	Method	TBLASTX:Wheat
Start	4762	End	5266
GI	none	Score	86
Exons	4762..5004, 5117..5266		
Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o9.tm	Method	TBLASTX:Maize
Start	5198	End	5443
GI	none	Score	112
Exons	5198..5296, 5199..5288, 5328..5423, 5342..5443		
Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o8.tm	Method	TBLASTX:Maize
Start	6549	End	6834
GI	none	Score	55
Exons	6549..6590, 6617..6832, 6622..6834		
Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o4.tw	Method	TBLASTX:Wheat
Start	6728	End	7123
GI	none	Score	229
Exons	6728..7123, 7001..7099		
Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o5.tm	Method	TBLASTX:Maize
Start	6848	End	7246
GI	none	Score	194
Exons	6848..7051, 6853..7047, 6860..7057, 7063..7152, 7064..7174, 7154..7246		
Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o6.tm	Method	TBLASTX:Maize

Start	7648	End	8059
GI	none	Score	204
Exons	7648..7824, 7649..7867, 7928..8059		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o3.tw	Method	TBLASTX:Wheat
Start	7669	End	8125
GI	none	Score	176
Exons	7669..7872, 7670..7915, 7931..8038, 8039..8125		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o5.ts	Method	TBLASTX:Soybean
Start	8063	End	8392
GI	none	Score	245
Exons	8063..8392, 8104..8256, 8159..8239		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o1.tw	Method	TBLASTX:Wheat
Start	8198	End	8764
GI	none	Score	356
Exons	8198..8659, 8200..8652, 8663..8764		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	8405	End	8830
GI	none	Score	389
Exons	8405..8746, 8416..8745, 8768..8830		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	8432	End	8932
GI	none	Score	420
Exons	8432..8932, 8440..8727		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o3.tc	Method	TBLASTX:Cress
Start	8447	End	8896
GI	none	Score	310
Exons	8447..8896, 8450..8614, 8557..8727		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o2.ts	Method	TBLASTX:Soybean
Start	9287	End	9796

GI	5509260	Score	412
Exons	9287..9796, 9340..9582, 9619..9795		
GI Descrip.	-		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o3.tm	Method	TBLASTX:Maize
Start	9326	End	9640
GI	none	Score	380
Exons	9326..9640, 9332..9541, 9340..9639		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o4.tc	Method	TBLASTX:Cress
Start	9418	End	9679
GI	none	Score	267
Exons	9418..9660, 9419..9679		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o2.tw	Method	TBLASTX:Wheat
Start	9460	End	10000
GI	none	Score	314
Exons	9460..9801, 9461..9805, 9605..9805, 9791..10000		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o7.tm	Method	TBLASTX:Maize
Start	9641	End	9994
GI	none	Score	213
Exons	9641..9994, 9643..9897		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o2.np	Method	AAT/NAP
Start	9761	End	11621
GI	3183533	Score	153
Exons	9761..9836, 11295..11621		
GI Descrip.	LECTIN PRECURSOR		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o4.tm	Method	TBLASTX:Maize
Start	10109	End	10495
GI	none	Score	349
Exons	10109..10495, 10117..10488		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o1.tc	Method	TBLASTX:Cress

Start	10148	End	10810
GI	none	Score	251
Exons	10148..10429, 10148..10249, 10306..10416, 10445..10495, 10559..10810, 10594..10719		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o4.ts	Method	TBLASTX:Soybean
Start	10169	End	10819
GI	none	Score	131
Exons	10169..10330, 10198..10296, 10343..10495, 10442..10741, 10559..10819, 10630..10818		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o6.tw	Method	TBLASTX:Wheat
Start	10337	End	10780
GI	none	Score	113
Exons	10337..10495, 10361..10540, 10586..10780, 10588..10779		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o10.tm	Method	TBLASTX:Maize
Start	10559	End	10780
GI	none	Score	182
Exons	10559..10780, 10567..10704		

Seq. No.	48630	Seq. ID	OJ991202_09.0421.C7
Gene No.	103606	Strand	-
Start	9761	End	11621
Name	OJ991202_09.0421.C7.o4.gs	Method	GENSCAN
Start	11142	End	11621
GI	none	Score	.95
Exons	11142..11621		

Seq. No.	48631	Seq. ID	OJ991202_09.0421.C9
Gene No.	103607	Strand	-
Start	503	End	2170
Name	OJ991202_09.0421.C9.o1.gs	Method	GENSCAN
Start	503	End	2166
GI	none	Score	.43
Exons	503..657, 1049..1313, 1407..1568, 1598..1691, 1788..2123, 2141..2166		

Seq. No.	48631	Seq. ID	OJ991202_09.0421.C9
Gene No.	103607	Strand	-
Start	503	End	2170
Name	OJ991202_09.0421.C9.o1.np	Method	AAT/NAP
Start	961	End	2170
GI	6729489	Score	641
Exons	961..1691, 1788..2170		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48631	Seq. ID	OJ991202_09.0421.C9
Gene No.	103607	Strand	-
Start	503	End	2170
Name	OJ991202_09.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	1152	End	2108
GI	none	Score	84
Exons	1152..1295, 1332..1511, 1396..1524, 1571..1714, 1817..2014, 2024..2107, 2031..2108		

Seq. No.	48631	Seq. ID	OJ991202_09.0421.C9
Gene No.	103607	Strand	-
Start	503	End	2170
Name	OJ991202_09.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	1164	End	2135
GI	none	Score	90
Exons	1164..1274, 1392..1511, 1539..1580, 1583..1693, 1814..2131, 2025..2135		

Seq. No.	48631	Seq. ID	OJ991202_09.0421.C9
Gene No.	103607	Strand	-
Start	503	End	2170
Name	OJ991202_09.0421.C9.o1.tc	Method	TBLASTX:Cress
Start	1167	End	2161
GI	none	Score	63
Exons	1167..1352, 1185..1361, 1389..1511, 1396..1515, 1533..1580, 1569..1694, 1574..1696, 1574..1693, 1820..2161		

Seq. No.	48631	Seq. ID	OJ991202_09.0421.C9
Gene No.	103607	Strand	-
Start	503	End	2170
Name	OJ991202_09.0421.C9.o1.tw	Method	TBLASTX:Wheat
Start	1598	End	2014
GI	none	Score	57
Exons	1598..1708, 1778..2014, 1847..1930		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o1.np	Method	AAT/NAP
Start	1	End	5886
GI	6466937	Score	2422
Exons	1..3740, 3786..4246, 5243..5361, 5818..5886		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o4.tm	Method	TBLASTX:Maize
Start	8	End	625
GI	none	Score	63
Exons	8..229, 50..184, 224..625, 261..524		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o1.gs	Method	GENSCAN

Start	134	End	9125
GI	none	Score	.59
Exons	134..1151, 1184..1338, 1411..2894, 2993..3791, 3914..4210, 4273..4788, 5133..5716, 6143..6175, 7081..7257, 8893..9125		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o2.tw	Method	TBLASTX:Wheat
Start	155	End	559
GI	none	Score	162
Exons	155..559, 276..503		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o5.tw	Method	TBLASTX:Wheat
Start	620	End	1012
GI	none	Score	111
Exons	620..1012, 621..917		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	630	End	1266
GI	none	Score	318
Exons	630..1109, 632..1108, 786..1109, 991..1128, 1108..1266		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o2.ts	Method	TBLASTX:Soybean
Start	860	End	1242
GI	none	Score	91
Exons	860..1108, 951..1109, 1108..1242		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o4.tw	Method	TBLASTX:Wheat
Start	1108	End	1512
GI	none	Score	68
Exons	1108..1512, 1109..1333, 1201..1335		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o5.tm	Method	TBLASTX:Maize
Start	1267	End	1692
GI	none	Score	138
Exons	1267..1497, 1522..1692, 1523..1690		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o4.ts	Method	TBLASTX:Soybean

Start	1678	End	1935
GI	none	Score	71
Exons	1678..1935, 1784..1900		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o2.tm	Method	TBLASTX:Maize
Start	1693	End	2215
GI	none	Score	110
Exons	1693..2214, 1700..1900, 1702..2211, 1967..2215		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o3.tw	Method	TBLASTX:Wheat
Start	1843	End	2244
GI	none	Score	96
Exons	1843..2244, 2021..2212		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o1.ts	Method	TBLASTX:Soybean
Start	1972	End	2316
GI	none	Score	122
Exons	1972..2316, 2030..2311		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o3.tm	Method	TBLASTX:Maize
Start	2239	End	2718
GI	none	Score	125
Exons	2239..2718, 2240..2446, 2272..2682, 2477..2707		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o1.tw	Method	TBLASTX:Wheat
Start	2293	End	2775
GI	none	Score	167
Exons	2293..2775, 2351..2680		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o1.tc	Method	TBLASTX:Cress
Start	2323	End	2646
GI	none	Score	196
Exons	2323..2646		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o3.ts	Method	TBLASTX:Soybean
Start	2425	End	2739

GI	none	Score	236
Exons	2425..2739		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o6.tm	Method	TBLASTX:Maize
Start	2764	End	3600
GI	none	Score	67
Exons	2764..2856, 2982..3071, 3156..3401, 3468..3599, 3474..3575, 3487..3600		

Seq. No.	48632	Seq. ID	OJ991202_09.0421.C10
Gene No.	103608	Strand	-
Start	1	End	9125
Name	OJ991202_09.0421.C10.o3.np	Method	AAT/NAP
Start	3810	End	5576
GI	951112	Score	125
Exons	3810..3872, 5222..5576		
GI Descrip.	(U22470) galactose-binding lectin precursor [Arachis hypogaea]		

Seq. No.	48633	Seq. ID	OJ991202_09.0421.C11
Gene No.	103609	Strand	+
Start	1112	End	3199
Name	OJ991202_09.0421.C11.o1.gs	Method	GENSCAN
Start	1112	End	3075
GI	none	Score	.42
Exons	1112..1279, 1670..1996, 2083..2213, 2452..2786, 2888..3075		

Seq. No.	48633	Seq. ID	OJ991202_09.0421.C11
Gene No.	103609	Strand	+
Start	1112	End	3199
Name	OJ991202_09.0421.C11.o1.np	Method	AAT/NAP
Start	1112	End	3199
GI	6691716	Score	1787
Exons	1112..2000, 2198..2375, 2452..2554, 2631..2809, 2887..3075, 3150..3199		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48633	Seq. ID	OJ991202_09.0421.C11
Gene No.	103609	Strand	+
Start	1112	End	3199
Name	OJ991202_09.0421.C11.o1.tw	Method	TBLASTX:Wheat
Start	1208	End	1519
GI	none	Score	212
Exons	1208..1519, 1408..1485		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103610	Strand	+
Start	34	End	499
Name	OJ991202_09.0421.C12.o1.np	Method	AAT/NAP
Start	34	End	496
GI	5902446	Score	600
Exons	34..496		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103610	Strand	+
Start	34	End	499
Name	OJ991202_09.0421.C12.o1.gs	Method	GENSCAN
Start	48	End	499
GI	none	Score	1
Exons	48..499		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103611	Strand	+
Start	7778	End	9301
Name	OJ991202_09.0421.C12.o3.gs	Method	GENSCAN
Start	7778	End	9301
GI	none	Score	.75
Exons	7778..7989, 8166..8272, 9128..9235, 9282..9301		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o2.gs	Method	GENSCAN
Start	830	End	6953
GI	none	Score	.58
Exons	830..2016, 2188..2768, 2841..3911, 4075..4548, 4681..6953		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o2.tw	Method	TBLASTX:Wheat
Start	842	End	1456
GI	none	Score	95
Exons	842..973, 965..1456, 1167..1295, 1280..1306, 1347..1436		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o2.np	Method	AAT/NAP
Start	866	End	6953
GI	5922631	Score	6761
Exons	866..3393, 4000..4927, 5054..5205, 5248..5819, 5865..6067, 6326..6570, 6829..6953		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o4.tm	Method	TBLASTX:Maize
Start	881	End	1144
GI	none	Score	96
Exons	881..982, 882..983, 900..983, 962..1144, 963..1088		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o5.tm	Method	TBLASTX:Maize
Start	1226	End	1499
GI	none	Score	49
Exons	1226..1312, 1322..1405, 1347..1409, 1409..1498, 1410..1499		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o4.tw	Method	TBLASTX:Wheat
Start	1569	End	1960
GI	none	Score	46
Exons	1569..1607, 1571..1762, 1571..1957, 1647..1958, 1799..1960		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o1.tm	Method	TBLASTX:Maize
Start	1640	End	1964
GI	none	Score	262
Exons	1640..1963, 1641..1964		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o5.tw	Method	TBLASTX:Wheat
Start	2276	End	2698
GI	none	Score	212
Exons	2276..2698, 2352..2693		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o2.ts	Method	TBLASTX:Soybean
Start	2319	End	2707
GI	none	Score	134
Exons	2319..2567, 2321..2563, 2603..2707, 2613..2699		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o6.tm	Method	TBLASTX:Maize
Start	2372	End	2645
GI	none	Score	56
Exons	2372..2470, 2373..2456, 2474..2644, 2475..2645		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o3.tw	Method	TBLASTX:Wheat
Start	2735	End	3173
GI	none	Score	97
Exons	2735..3163, 2754..3173, 2955..3167		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12

Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o3.tm	Method	TBLASTX:Maize
Start	2846	End	3263
GI	none	Score	169
Exons	2846..2989, 3006..3251, 3011..3262, 3012..3263		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o1.ts	Method	TBLASTX:Soybean
Start	2933	End	3334
GI	none	Score	141
Exons	2933..3334, 2967..3317, 3020..3322		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o7.tw	Method	TBLASTX:Wheat
Start	3209	End	3527
GI	none	Score	94
Exons	3209..3526, 3210..3359, 3212..3523, 3429..3527		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o2.tm	Method	TBLASTX:Maize
Start	3497	End	3853
GI	none	Score	201
Exons	3497..3853, 3507..3812		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o1.tw	Method	TBLASTX:Wheat
Start	3527	End	3983
GI	none	Score	280
Exons	3527..3982, 3528..3983		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o3.ts	Method	TBLASTX:Soybean
Start	3578	End	3943
GI	none	Score	138
Exons	3578..3712, 3719..3943		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o7.tm	Method	TBLASTX:Maize
Start	4176	End	4353
GI	none	Score	69
Exons	4176..4352, 4206..4352, 4207..4353		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-

Start	830	End	6953
Name	OJ991202_09.0421.C12.o6.tw	Method	TBLASTX:Wheat
Start	4204	End	4661
GI	none	Score	165
Exons	4204..4440, 4206..4436, 4485..4661		

Seq. No.	48634	Seq. ID	OJ991202_09.0421.C12
Gene No.	103612	Strand	-
Start	830	End	6953
Name	OJ991202_09.0421.C12.o8.tw	Method	TBLASTX:Wheat
Start	5241	End	5643
GI	none	Score	124
Exons	5241..5642, 5374..5643		

Seq. No.	48635	Seq. ID	OJ991202_09.0421.C13
Gene No.	103613	Strand	-
Start	1	End	1489
Name	OJ991202_09.0421.C13.o1.np	Method	AAT/NAP
Start	1	End	1456
GI	7076798	Score	360
Exons	1..425, 489..1456		
GI Descrip.	(AL132975) probable serine/threonine-specific protein kinase [Arabidopsis thaliana]		

Seq. No.	48635	Seq. ID	OJ991202_09.0421.C13
Gene No.	103613	Strand	-
Start	1	End	1489
Name	OJ991202_09.0421.C13.o1.tm	Method	TBLASTX:Maize
Start	63	End	404
GI	none	Score	79
Exons	63..173, 63..155, 138..257, 160..249, 291..404, 292..387		

Seq. No.	48635	Seq. ID	OJ991202_09.0421.C13
Gene No.	103613	Strand	-
Start	1	End	1489
Name	OJ991202_09.0421.C13.o1.gs	Method	GENSCAN
Start	64	End	1489
GI	none	Score	.5
Exons	64..1226, 1250..1428, 1480..1489		

Seq. No.	48635	Seq. ID	OJ991202_09.0421.C13
Gene No.	103613	Strand	-
Start	1	End	1489
Name	OJ991202_09.0421.C13.o1.tc	Method	TBLASTX:Cress
Start	96	End	794
GI	none	Score	74
Exons	96..254, 255..440, 681..794		

Seq. No.	48635	Seq. ID	OJ991202_09.0421.C13
Gene No.	103613	Strand	-
Start	1	End	1489
Name	OJ991202_09.0421.C13.o1.ts	Method	TBLASTX:Soybean
Start	99	End	377
GI	none	Score	61
Exons	99..212, 99..254, 249..377, 310..375		

Seq. No.	48635	Seq. ID	OJ991202_09.0421.C13

Gene No.	103613	Strand	-
Start	1	End	1489
Name	OJ991202_09.0421.C13.o2.ts	Method	TBLASTX:Soybean
Start	690	End	1387
GI	none	Score	61
Exons	690..809, 919..1020, 921..1019, 1065..1142, 1069..1143, 1208..1285, 1304..1387		

Seq. No.	48635	Seq. ID	OJ991202_09.0421.C13
Gene No.	103613	Strand	-
Start	1	End	1489
Name	OJ991202_09.0421.C13.o2.tm	Method	TBLASTX:Maize
Start	834	End	1028
GI	none	Score	58
Exons	834..917, 834..1028, 853..1023, 981..1028		

Seq. No.	48636	Seq. ID	OJ991202_09.0421.C14
Gene No.	103614	Strand	+
Start	36	End	212
Name	OJ991202_09.0421.C14.o1.gs	Method	GENSCAN
Start	36	End	212
GI	none	Score	.89
Exons	36..212		

Seq. No.	48636	Seq. ID	OJ991202_09.0421.C14
Gene No.	103615	Strand	+
Start	1419	End	3912
Name	OJ991202_09.0421.C14.o2.gs	Method	GENSCAN
Start	1419	End	3574
GI	none	Score	.67
Exons	1419..2875, 2887..3574		

Seq. No.	48636	Seq. ID	OJ991202_09.0421.C14
Gene No.	103615	Strand	+
Start	1419	End	3912
Name	OJ991202_09.0421.C14.o1.np	Method	AAT/NAP
Start	1974	End	3912
GI	7258382	Score	785
Exons	1974..2605, 2645..3539, 3833..3912		
GI Descrip.	(AL138650) putative protein [Arabidopsis thaliana]		

Seq. No.	48636	Seq. ID	OJ991202_09.0421.C14
Gene No.	103616	Strand	-
Start	6027	End	6686
Name	OJ991202_09.0421.C14.o1.ts	Method	TBLASTX:Soybean
Start	2181	End	2600
GI	none	Score	43
Exons	2181..2225, 2268..2351, 2349..2525, 2351..2521, 2517..2600		

Seq. No.	48636	Seq. ID	OJ991202_09.0421.C14
Gene No.	103616	Strand	-
Start	6027	End	6686
Name	OJ991202_09.0421.C14.o1.tm	Method	TBLASTX:Maize
Start	2268	End	2774
GI	none	Score	105
Exons	2268..2342, 2283..2348, 2349..2597, 2354..2572, 2619..2774, 2642..2773		

Seq. No.	48636	Seq. ID	OJ991202_09.0421.C14
Gene No.	103616	Strand	-
Start	6027	End	6686
Name	OJ991202_09.0421.C14.o2.ts	Method	TBLASTX:Soybean
Start	2706	End	3043
GI	none	Score	89
Exons	2706..2774, 2708..2773, 2779..2841, 2783..3043, 2954..3007		

Seq. No.	48636	Seq. ID	OJ991202_09.0421.C14
Gene No.	103616	Strand	-
Start	6027	End	6686
Name	OJ991202_09.0421.C14.o2.tm	Method	TBLASTX:Maize
Start	2792	End	6668
GI	none	Score	205
Exons	2792..3019, 2792..2998, 3038..3121, 3084..3215, 6585..6668		

Seq. No.	48636	Seq. ID	OJ991202_09.0421.C14
Gene No.	103616	Strand	-
Start	6027	End	6686
Name	OJ991202_09.0421.C14.o3.gs	Method	GENSCAN
Start	6027	End	6620
GI	none	Score	1
Exons	6027..6620		

Seq. No.	48636	Seq. ID	OJ991202_09.0421.C14
Gene No.	103616	Strand	-
Start	6027	End	6686
Name	OJ991202_09.0421.C14.o2.np	Method	AAT/NAP
Start	6117	End	6686
GI	3928084	Score	211
Exons	6117..6686		
GI Descrip.	(AC005770) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	48637	Seq. ID	OJ991202_09.0421.C15
Gene No.	103617	Strand	+
Start	3562	End	11707
Name	OJ991202_09.0421.C15.o2.gs	Method	GENSCAN
Start	3562	End	11452
GI	none	Score	.75
Exons	3562..3667, 4019..4151, 4973..5069, 8180..8280, 8496..8533, 8667..8690, 8806..8906, 9194..9309, 9333..9501, 10102..10248, 10332..10392, 10475..10572, 10997..11139, 11369..11452		

Seq. No.	48637	Seq. ID	OJ991202_09.0421.C15
Gene No.	103617	Strand	+
Start	3562	End	11707
Name	OJ991202_09.0421.C15.o1.gp	Method	AAT/GAP
Start	8374	End	11630
GI	348_1.R1084	Score	1908
Exons	8374..8533, 8667..8690, 8806..8906, 9194..9309, 9402..9501, 10102..10248, 10332..10392, 10475..10572, 10997..11139, 11369..11452, 11580..11630		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48637	Seq. ID	OJ991202_09.0421.C15
Gene No.	103617	Strand	+
Start	3562	End	11707
Name	OJ991202_09.0421.C15.o1.np	Method	AAT/NAP
Start	8657	End	11707
GI	120669	Score	1128
Exons	8657..8690, 8806..8906, 9194..9309, 9402..9501, 10102..10248, 10332..10392, 10475..10572, 10997..11139, 11369..11452, 11580..11707		
GI Descrip.	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC gi|66014|pir||DEJMG glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12) - Magnolia liliiflora gi|19566|emb|CAA42905| (X60347) glyceraldehyde 3-phosphate dehydrogenase [Magnolia liliiflora]		

Seq. No.	48637	Seq. ID	OJ991202_09.0421.C15
Gene No.	103617	Strand	+
Start	3562	End	11707
Name	OJ991202_09.0421.C15.o1.tw	Method	TBLASTX:Wheat
Start	8666	End	9495
GI	none	Score	46
Exons	8666..8692, 8666..8704, 8802..8906, 8805..8858, 9184..9318, 9185..9310, 9318..9494, 9400..9495		

Seq. No.	48637	Seq. ID	OJ991202_09.0421.C15
Gene No.	103617	Strand	+
Start	3562	End	11707
Name	OJ991202_09.0421.C15.o1.tm	Method	TBLASTX:Maize
Start	8669	End	11631
GI	none	Score	40
Exons	8669..8692, 8802..8906, 8808..8858, 9179..9310, 9186..9290, 9193..9318, 9372..9500, 9383..9445, 9400..9501, 9462..9503, 10099..10251, 10099..10248, 10101..10250, 10330..10392, 10338..10391, 10471..10572, 10473..10571, 10477..10584, 10967..11140, 10978..11166, 11366..11476, 11367..11453, 11577..11630, 11578..11631		

Seq. No.	48637	Seq. ID	OJ991202_09.0421.C15
Gene No.	103617	Strand	+
Start	3562	End	11707
Name	OJ991202_09.0421.C15.o1.tc	Method	TBLASTX:Cress
Start	8802	End	11631
GI	none	Score	154
Exons	8802..8906, 9184..9318, 9185..9310, 9372..9500, 9386..9469, 9400..9501, 9462..9503, 10099..10251, 10099..10248, 10100..10249, 10101..10250, 10338..10391, 10471..10572, 10473..10571, 10967..11140, 10978..11139, 10994..11146, 11366..11476, 11367..11453, 11577..11630, 11577..11630, 11578..11631		

Seq. No.	48637	Seq. ID	OJ991202_09.0421.C15
Gene No.	103617	Strand	+
Start	3562	End	11707
Name	OJ991202_09.0421.C15.o1.ts	Method	TBLASTX:Soybean
Start	9233	End	11631
GI	none	Score	70
Exons	9233..9292, 9402..9485, 9403..9489, 10101..10115, 10110..10250, 10111..10251, 10329..10394, 10338..10391, 10471..10572,		

10473..10571, 10477..10584, 10967..11218, 10978..11124,
10994..11170, 11366..11452, 11367..11453, 11577..11612,
11578..11631

Seq. No.	48637	Seq. ID	OJ991202_09.0421.C15
Gene No.	103617	Strand	+
Start	3562	End	11707
Name	OJ991202_09.0421.C15.o2.tw	Method	TBLASTX:Wheat
Start	10525	End	11631
GI	none	Score	71
Exons	10525..10569, 10527..10571, 10528..10572, 10967..11233, 10978..11166, 10980..11168, 11366..11476, 11367..11453, 11371..11475, 11577..11621, 11577..11630, 11578..11631		

Seq. No.	48638	Seq. ID	OJ991202_09.0421.C17
Gene No.	103618	Strand	+
Start	354	End	556
Name	OJ991202_09.0421.C17.o1.gs	Method	GENSCAN
Start	354	End	556
GI	none	Score	.52
Exons	354..556		

Seq. No.	48638	Seq. ID	OJ991202_09.0421.C17
Gene No.	103619	Strand	+
Start	3289	End	3372
Name	OJ991202_09.0421.C17.o1.np	Method	AAT/NAP
Start	3289	End	3372
GI	6721547	Score	59
Exons	3289..3372		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	48638	Seq. ID	OJ991202_09.0421.C17
Gene No.	103620	Strand	-
Start	1863	End	1981
Name	OJ991202_09.0421.C17.o2.gs	Method	GENSCAN
Start	1863	End	1981
GI	none	Score	.89
Exons	1863..1981		

Seq. No.	48639	Seq. ID	OJ991202_09.0421.C18
Gene No.	103621	Strand	+
Start	1	End	389
Name	OJ991202_09.0421.C18.o1.np	Method	AAT/NAP
Start	1	End	389
GI	6729489	Score	175
Exons	1..389		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48639	Seq. ID	OJ991202_09.0421.C18
Gene No.	103621	Strand	+
Start	1	End	389
Name	OJ991202_09.0421.C18.o1.gs	Method	GENSCAN
Start	16	End	382
GI	none	Score	.49
Exons	16..168, 215..382		

Seq. No.	48640	Seq. ID	OJ991202_09.0421.C19
Gene No.	103622	Strand	+
Start	1	End	878
Name	OJ991202_09.0421.C19.o1.np	Method	AAT/NAP
Start	1	End	878
GI	5091513	Score	1324
Exons	1..878		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	48640	Seq. ID	OJ991202_09.0421.C19
Gene No.	103622	Strand	+
Start	1	End	878
Name	OJ991202_09.0421.C19.o1.gs	Method	GENSCAN
Start	68	End	851
GI	none	Score	.44
Exons	68..851		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103623	Strand	+
Start	2798	End	8478
Name	OJ991202_09.0421.C20.o2.np	Method	AAT/NAP
Start	2798	End	8478
GI	5852180	Score	447
Exons	2798..2880, 3116..3301, 5903..5999, 6139..6374, 7020..7067, 8055..8172, 8224..8478		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o1.gs	Method	GENSCAN
Start	474	End	7196
GI	none	Score	.53
Exons	474..1469, 1514..1628, 1687..4696, 4747..4974, 5148..5228, 5267..6032, 7131..7196		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o1.np	Method	AAT/NAP
Start	477	End	4990
GI	4680179	Score	5408
Exons	477..3878, 3912..4990		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o6.tw	Method	TBLASTX:Wheat
Start	522	End	855
GI	none	Score	120
Exons	522..854, 543..851, 586..855		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o1.tm	Method	TBLASTX:Maize

Start	702	End	1301
GI	none	Score	122
Exons	702..1142, 717..980, 718..1140, 1140..1301, 1147..1293		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o1.tw	Method	TBLASTX:Wheat
Start	855	End	1481
GI	none	Score	67
Exons	855..1481, 858..980, 967..1425		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o4.tm	Method	TBLASTX:Maize
Start	1350	End	1642
GI	none	Score	206
Exons	1350..1640, 1354..1641, 1454..1642		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o2.ts	Method	TBLASTX:Soybean
Start	1440	End	1700
GI	none	Score	159
Exons	1440..1700, 1441..1695		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o2.tw	Method	TBLASTX:Wheat
Start	1488	End	2055
GI	none	Score	336
Exons	1488..2024, 1492..2055		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o2.tm	Method	TBLASTX:Maize
Start	2046	End	2409
GI	none	Score	168
Exons	2046..2408, 2055..2408, 2059..2409		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o3.tw	Method	TBLASTX:Wheat
Start	2058	End	2480
GI	none	Score	364
Exons	2058..2480, 2059..2448		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o3.ts	Method	TBLASTX:Soybean
Start	2229	End	2474

GI	none	Score	93
Exons	2229..2474, 2230..2457		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o3.tm	Method	TBLASTX:Maize
Start	2445	End	2945
GI	none	Score	50
Exons	2445..2759, 2488..2538, 2566..2619, 2766..2945, 2791..2937		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o5.tw	Method	TBLASTX:Wheat
Start	2481	End	2783
GI	none	Score	192
Exons	2481..2783, 2487..2780, 2497..2781, 2702..2782		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o1.ts	Method	TBLASTX:Soybean
Start	2496	End	2891
GI	none	Score	193
Exons	2496..2855, 2497..2787, 2815..2853, 2859..2891, 2860..2889		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o4.tw	Method	TBLASTX:Wheat
Start	2832	End	3318
GI	none	Score	290
Exons	2832..3209, 2875..3318, 3264..3314		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o5.tm	Method	TBLASTX:Maize
Start	3013	End	3303
GI	none	Score	215
Exons	3013..3303, 3015..3302		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o8.tw	Method	TBLASTX:Wheat
Start	3429	End	3851
GI	none	Score	69
Exons	3429..3596, 3484..3597, 3642..3851, 3643..3795		

Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o7.tm	Method	TBLASTX:Maize
Start	3534	End	3809
GI	none	Score	185

Exons	3534..3809		
Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o7.tw	Method	TBLASTX:Wheat
Start	4170	End	4534
GI	none	Score	112
Exons	4170..4520, 4327..4521, 4352..4534		
Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o6.tm	Method	TBLASTX:Maize
Start	4215	End	4520
GI	none	Score	90
Exons	4215..4520, 4390..4506		
Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o9.tw	Method	TBLASTX:Wheat
Start	4555	End	4926
GI	none	Score	107
Exons	4555..4752, 4557..4754, 4864..4896, 4882..4926		
Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o1.gp	Method	AAT/GAP
Start	5303	End	5757
GI	95437_1.R1084	Score	770
Exons	5303..5757		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		
Seq. No.	48641	Seq. ID	OJ991202_09.0421.C20
Gene No.	103624	Strand	-
Start	474	End	7301
Name	OJ991202_09.0421.C20.o2.gp	Method	AAT/GAP
Start	6916	End	7301
GI	uC-osf1cyp033a04b1	Score	641
Exons	6916..7301		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	48642	Seq. ID	OJ991202_09.0421.C21
Gene No.	103625	Strand	-
Start	1	End	2091
Name	OJ991202_09.0421.C21.o1.np	Method	AAT/NAP
Start	1	End	2091
GI	4680179	Score	1214
Exons	1..23, 95..319, 1411..2091		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	48642	Seq. ID	OJ991202_09.0421.C21

Gene No.	103625	Strand	-
Start	1	End	2091
Name	OJ991202_09.0421.C21.o1.gs	Method	GENSCAN
Start	38	End	1983
GI	none	Score	.61
Exons	38..507, 752..802, 1428..1983		

Seq. No.	48642	Seq. ID	OJ991202_09.0421.C21
Gene No.	103625	Strand	-
Start	1	End	2091
Name	OJ991202_09.0421.C21.o3.tw	Method	TBLASTX:Wheat
Start	90	End	325
GI	none	Score	60
Exons	90..251, 95..325, 96..209		

Seq. No.	48642	Seq. ID	OJ991202_09.0421.C21
Gene No.	103625	Strand	-
Start	1	End	2091
Name	OJ991202_09.0421.C21.o1.tm	Method	TBLASTX:Maize
Start	1510	End	1863
GI	none	Score	213
Exons	1510..1863, 1517..1858		

Seq. No.	48642	Seq. ID	OJ991202_09.0421.C21
Gene No.	103625	Strand	-
Start	1	End	2091
Name	OJ991202_09.0421.C21.o1.tw	Method	TBLASTX:Wheat
Start	1510	End	1935
GI	none	Score	317
Exons	1510..1935, 1517..1933		

Seq. No.	48642	Seq. ID	OJ991202_09.0421.C21
Gene No.	103625	Strand	-
Start	1	End	2091
Name	OJ991202_09.0421.C21.o1.ts	Method	TBLASTX:Soybean
Start	1681	End	1929
GI	none	Score	206
Exons	1681..1929		

Seq. No.	48642	Seq. ID	OJ991202_09.0421.C21
Gene No.	103625	Strand	-
Start	1	End	2091
Name	OJ991202_09.0421.C21.o2.tm	Method	TBLASTX:Maize
Start	1870	End	2091
GI	none	Score	118
Exons	1870..2091, 1871..2083, 1945..2085		

Seq. No.	48642	Seq. ID	OJ991202_09.0421.C21
Gene No.	103625	Strand	-
Start	1	End	2091
Name	OJ991202_09.0421.C21.o2.tw	Method	TBLASTX:Wheat
Start	1936	End	2091
GI	none	Score	129
Exons	1936..2091, 1937..2089		

Seq. No.	48642	Seq. ID	OJ991202_09.0421.C21
Gene No.	103625	Strand	-

Start	1	End	2091
Name	OJ991202_09.0421.C21.o2.ts	Method	TBLASTX:Soybean
Start	1951	End	2091
GI	none	Score	110
Exons	1951..2091, 1961..2083		

Seq. No.	48643	Seq. ID	OJ991202_09.0421.C22
Gene No.	103626	Strand	-
Start	661	End	739
Name	OJ991202_09.0421.C22.o1.gs	Method	GENSCAN
Start	661	End	739
GI	none	Score	.41
Exons	661..739		

Seq. No.	48644	Seq. ID	OJ991202_08.0421.C2
Gene No.	103627	Strand	-
Start	1	End	6020
Name	OJ991202_08.0421.C2.o1.np	Method	AAT/NAP
Start	1	End	1814
GI	7106515	Score	1624
Exons	1..475, 605..1814		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]		

Seq. No.	48644	Seq. ID	OJ991202_08.0421.C2
Gene No.	103627	Strand	-
Start	1	End	6020
Name	OJ991202_08.0421.C2.o1.gs	Method	GENSCAN
Start	183	End	6020
GI	none	Score	.4
Exons	183..487, 605..745, 1043..1711, 1940..1996, 2773..2841, 2935..3003, 3012..3167, 3851..3890, 4428..4568, 4869..5006, 5039..5073, 5091..5226, 5252..5302, 5889..6020		

Seq. No.	48644	Seq. ID	OJ991202_08.0421.C2
Gene No.	103627	Strand	-
Start	1	End	6020
Name	OJ991202_08.0421.C2.o2.tm	Method	TBLASTX:Maize
Start	426	End	858
GI	none	Score	75
Exons	426..488, 586..735, 615..725, 729..857, 742..858, 742..858		

Seq. No.	48644	Seq. ID	OJ991202_08.0421.C2
Gene No.	103627	Strand	-
Start	1	End	6020
Name	OJ991202_08.0421.C2.o1.tw	Method	TBLASTX:Wheat
Start	655	End	1037
GI	none	Score	44
Exons	655..717, 741..1037, 742..960		

Seq. No.	48644	Seq. ID	OJ991202_08.0421.C2
Gene No.	103627	Strand	-
Start	1	End	6020
Name	OJ991202_08.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	861	End	1673
GI	none	Score	62

Exons	861..1130, 862..960, 1158..1616, 1162..1230, 1381..1617, 1620..1673		
Seq. No.	48645	Seq. ID	OJ991202_08.0421.C3
Gene No.	103628	Strand	+
Start	264	End	366
Name	OJ991202_08.0421.C3.o1.gs	Method	GENSCAN
Start	264	End	366
GI	none	Score	.43
Exons	264..366		
Seq. No.	48645	Seq. ID	OJ991202_08.0421.C3
Gene No.	103629	Strand	-
Start	170	End	4490
Name	OJ991202_08.0421.C3.o1.gp	Method	AAT/GAP
Start	170	End	4115
GI	40498_1.R1084	Score	864
Exons	170..478, 3969..4115		
GI Descrip.	'2764574/emb|CAA04468| 1.0e-15 (AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]'		
Seq. No.	48645	Seq. ID	OJ991202_08.0421.C3
Gene No.	103629	Strand	-
Start	170	End	4490
Name	OJ991202_08.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	399	End	4490
GI	none	Score	113
Exons	399..452, 401..487, 402..488, 3948..4256, 3967..4266, 4231..4359, 4254..4361, 4455..4490, 4455..4490		
Seq. No.	48645	Seq. ID	OJ991202_08.0421.C3
Gene No.	103629	Strand	-
Start	170	End	4490
Name	OJ991202_08.0421.C3.o1.ts	Method	TBLASTX:Soybean
Start	401	End	4247
GI	none	Score	69
Exons	401..481, 3948..4073, 4048..4131, 4053..4163, 4146..4247		
Seq. No.	48645	Seq. ID	OJ991202_08.0421.C3
Gene No.	103629	Strand	-
Start	170	End	4490
Name	OJ991202_08.0421.C3.o1.np	Method	AAT/NAP
Start	3900	End	4490
GI	7488821	Score	266
Exons	3900..4358, 4455..4490		
GI Descrip.	pore protein 24K chain - garden pea gi|2764574|emb|CAA04468.1| (AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]		
Seq. No.	48646	Seq. ID	OJ991202_08.0421.C4
Gene No.	103630	Strand	-
Start	1	End	2876
Name	OJ991202_08.0421.C4.o1.np	Method	AAT/NAP
Start	1	End	2876
GI	7339707	Score	83
Exons	1..152, 2123..2248, 2641..2876		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	48646	Seq. ID	OJ991202_08.0421.C4
Gene No.	103630	Strand	-
Start	1	End	2876
Name	OJ991202_08.0421.C4.o1.gs	Method	GENSCAN
Start	144	End	560
GI	none	Score	.44
Exons	144..560		

Seq. No.	48646	Seq. ID	OJ991202_08.0421.C4
Gene No.	103630	Strand	-
Start	1	End	2876
Name	OJ991202_08.0421.C4.o2.gs	Method	GENSCAN
Start	2489	End	2781
GI	none	Score	.62
Exons	2489..2781		

Seq. No.	48647	Seq. ID	OJ991202_08.0421.C6
Gene No.	103631	Strand	+
Start	1052	End	1210
Name	OJ991202_08.0421.C6.o1.gs	Method	GENSCAN
Start	1052	End	1210
GI	none	Score	.41
Exons	1052..1210		

Seq. No.	48647	Seq. ID	OJ991202_08.0421.C6
Gene No.	103632	Strand	+
Start	1923	End	2013
Name	OJ991202_08.0421.C6.o1.gp	Method	AAT/GAP
Start	1923	End	2013
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	1923..2013		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103633	Strand	+
Start	1	End	6096
Name	OJ991202_08.0421.C7.o1.np	Method	AAT/NAP
Start	1	End	6093
GI	7228457	Score	3119
Exons	1..167, 1285..2839, 2894..4540, 4607..6093		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103633	Strand	+
Start	1	End	6096
Name	OJ991202_08.0421.C7.o1.gs	Method	GENSCAN
Start	35	End	6096
GI	none	Score	.51
Exons	35..569, 758..1305, 1350..2000, 2090..2848, 3017..3816, 4015..4400, 4458..5237, 5342..5652, 5683..6096		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-

Start	6714	End	8975
Name	OJ991202_08.0421.C7.o5.tm	Method	TBLASTX:Maize
Start	1341	End	1580
GI	none	Score	186
Exons	1341..1580		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o7.tw	Method	TBLASTX:Wheat
Start	1344	End	1742
GI	none	Score	268
Exons	1344..1742, 1358..1396, 1469..1651		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o4.tw	Method	TBLASTX:Wheat
Start	2324	End	2779
GI	none	Score	152
Exons	2324..2506, 2332..2433, 2543..2779, 2545..2661, 2555..2764, 2704..2769		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o1.tw	Method	TBLASTX:Wheat
Start	2971	End	3427
GI	none	Score	554
Exons	2971..3426, 2972..3427		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o2.ts	Method	TBLASTX:Soybean
Start	3011	End	3376
GI	none	Score	100
Exons	3011..3235, 3242..3376		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	3101	End	3457
GI	none	Score	414
Exons	3101..3457, 3155..3403, 3163..3429		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o3.tm	Method	TBLASTX:Maize
Start	3485	End	3868
GI	none	Score	315
Exons	3485..3868, 3520..3867		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-

Start	6714	End	8975
Name	OJ991202_08.0421.C7.o2.tw	Method	TBLASTX:Wheat
Start	3542	End	3966
GI	none	Score	471
Exons	3542..3964, 3547..3966		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	3620	End	4021
GI	none	Score	302
Exons	3620..4021, 3622..3780		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o6.tw	Method	TBLASTX:Wheat
Start	4111	End	4519
GI	none	Score	196
Exons	4111..4338, 4112..4336, 4346..4519, 4454..4516		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o8.tw	Method	TBLASTX:Wheat
Start	4559	End	4816
GI	none	Score	181
Exons	4559..4816, 4654..4812		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o2.tm	Method	TBLASTX:Maize
Start	5018	End	5326
GI	none	Score	356
Exons	5018..5326, 5038..5313		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o5.tw	Method	TBLASTX:Wheat
Start	5021	End	5338
GI	none	Score	316
Exons	5021..5338, 5029..5319		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o3.tw	Method	TBLASTX:Wheat
Start	5476	End	6084
GI	none	Score	340
Exons	5476..5928, 5491..5586, 5658..5732, 5953..6084, 5958..6083		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975

Name	OJ991202_08.0421.C7.o4.tm	Method	TBLASTX:Maize
Start	5698	End	5961
GI	none	Score	187
Exons	5698..5961		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o2.gs	Method	GENSCAN
Start	6714	End	8930
GI	none	Score	.63
Exons	6714..7231, 7330..7475, 7599..7906, 7918..8124, 8426..8630, 8808..8930		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o2.np	Method	AAT/NAP
Start	7598	End	8802
GI	6721561	Score	1038
Exons	7598..8358, 8426..8484, 8555..8802		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48648	Seq. ID	OJ991202_08.0421.C7
Gene No.	103634	Strand	-
Start	6714	End	8975
Name	OJ991202_08.0421.C7.o3.np	Method	AAT/NAP
Start	8156	End	8975
GI	6721558	Score	95
Exons	8156..8339, 8783..8975		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	48649	Seq. ID	OJ991202_08.0421.C8
Gene No.	103635	Strand	+
Start	889	End	1469
Name	OJ991202_08.0421.C8.o3.np	Method	AAT/NAP
Start	889	End	1469
GI	7523517	Score	240
Exons	889..1189, 1334..1469		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48649	Seq. ID	OJ991202_08.0421.C8
Gene No.	103636	Strand	-
Start	1	End	1221
Name	OJ991202_08.0421.C8.o1.np	Method	AAT/NAP
Start	1	End	1221
GI	5803259	Score	158
Exons	1..319, 1063..1221		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	48649	Seq. ID	OJ991202_08.0421.C8

Gene No.	103636	Strand	-
Start	1	End	1221
Name	OJ991202_08.0421.C8.o2.np	Method	AAT/NAP
Start	311	End	441
GI	6721558	Score	107
Exons	311..441		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	48650	Seq. ID	OJ991202_08.0421.C9
Gene No.	103637	Strand	+
Start	2061	End	2113
Name	OJ991202_08.0421.C9.o1.gp	Method	AAT/GAP
Start	2061	End	2113
GI	3759960	Score	59
Exons	2061..2113		

Seq. No.	48651	Seq. ID	OJ991202_08.0421.C10
Gene No.	103638	Strand	-
Start	43	End	240
Name	OJ991202_08.0421.C10.o1.gs	Method	GENSCAN
Start	43	End	240
GI	none	Score	.83
Exons	43..240		

Seq. No.	48652	Seq. ID	OJ991202_08.0421.C14
Gene No.	103639	Strand	+
Start	203	End	346
Name	OJ991202_08.0421.C14.o1.gs	Method	GENSCAN
Start	203	End	346
GI	none	Score	.94
Exons	203..346		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103640	Strand	+
Start	1	End	4213
Name	OJ991202_08.0421.C15.o1.np	Method	AAT/NAP
Start	1	End	2179
GI	729775	Score	747
Exons	1..35, 940..2179		
GI Descrip.	HEAT SHOCK FACTOR PROTEIN HSF8 (HEAT SHOCK TRANSCRIPTION FACTOR 8) (HSTF 8) (HEAT STRESS TRANSCRIPTION FACTOR) gi|100264|pir||S25481 heat shock transcription factor 8 - Peruvian tomato gi|19492|emb|CAA47869| (X67600) heat shock transcription factor 8 [Lycopersicon peruvianum]		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103640	Strand	+
Start	1	End	4213
Name	OJ991202_08.0421.C15.o1.gs	Method	GENSCAN
Start	940	End	4213
GI	none	Score	.61
Exons	940..2062, 2765..2840, 3015..3045, 4040..4213		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103640	Strand	+

Start	1	End	4213
Name	OJ991202_08.0421.C15.o1.gp	Method	AAT/GAP
Start	1008	End	1477
GI	LIB3474-012-P1-K1-B8	Score	881
Exons	1008..1477		
GI Descrip.	'729775/sp|P41153|HSF8_LYCPE 4.0e-34 HEAT SHOCK FACTOR PROTEIN HSF8 (HEAT SHOCK TRANSCRIPTION FACTOR 8) (HSTF 8) (HEAT STRESS TRANSCRIPTION FACTOR) >gi_100264_pir__S25481 heat shock transcription factor 8 - Peruvian tomato >gi_19492_emb_CAA47869_ (X67600) heat shock transcription factor 8 [Lycopersicon peruvianum]'		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103640	Strand	+
Start	1	End	4213
Name	OJ991202_08.0421.C15.o2.gp	Method	AAT/GAP
Start	1865	End	2421
GI	none	Score	1061
Exons	1865..2421		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-
Start	4622	End	5823
Name	OJ991202_08.0421.C15.o4.tm	Method	TBLASTX:Maize
Start	923	End	1102
GI	none	Score	87
Exons	923..1036, 939..1037, 940..1053, 953..1039, 1049..1102		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-
Start	4622	End	5823
Name	OJ991202_08.0421.C15.o2.tc	Method	TBLASTX:Cress
Start	931	End	2157
GI	none	Score	416
Exons	931..1182, 940..1377, 1272..1331, 1324..1383, 1384..1590, 1431..1520, 1978..2016, 2113..2157		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-
Start	4622	End	5823
Name	OJ991202_08.0421.C15.o2.ts	Method	TBLASTX:Soybean
Start	939	End	1356
GI	none	Score	186
Exons	939..1046, 940..1053, 1039..1182, 1101..1280, 1102..1353, 1139..1279, 1272..1328, 1276..1356		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-
Start	4622	End	5823
Name	OJ991202_08.0421.C15.o1.tm	Method	TBLASTX:Maize
Start	1127	End	2157
GI	none	Score	301
Exons	1127..1417, 1129..1419, 1129..1182, 1272..1415, 1273..1416, 1401..1532, 1402..1539, 1411..1548, 1536..1781, 1537..1782, 1537..1782, 1550..1789, 1770..1895, 1796..1894, 1798..1896, 1917..1964, 1918..1977, 1960..2058, 1963..2064, 2088..2156, 2089..2157, 2089..2157		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-
Start	4622	End	5823
Name	OJ991202_08.0421.C15.o3.ts	Method	TBLASTX:Soybean
Start	1363	End	1596
GI	none	Score	180
Exons	1363..1596, 1363..1488, 1413..1538		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-
Start	4622	End	5823
Name	OJ991202_08.0421.C15.o3.gp	Method	AAT/GAP
Start	4482	End	4621
GI	LIB3433-011-Q6-K1-H5	Score	220
Exons	4482..4621		
GI Descrip.	'218144/dbj|D12637|RICATADPT 7.0e-11 Rice mRNA for ATP/ADP translocator, complete cds'		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-
Start	4622	End	5823
Name	OJ991202_08.0421.C15.o2.gs	Method	GENSCAN
Start	4622	End	5796
GI	none	Score	.99
Exons	4622..5401, 5497..5796		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-
Start	4622	End	5823
Name	OJ991202_08.0421.C15.o2.np	Method	AAT/NAP
Start	4634	End	5778
GI	2129774	Score	814
Exons	4634..5401, 5497..5778		
GI Descrip.	xyloglucan endotransglycosylase-related protein XTR4 - Arabidopsis thaliana (fragment) gi|1244754 (U43486) xyloglucan endotransglycosylase-related protein [Arabidopsis thaliana]		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-
Start	4622	End	5823
Name	OJ991202_08.0421.C15.o2.tm	Method	TBLASTX:Maize
Start	4733	End	5398
GI	none	Score	77
Exons	4733..4795, 4764..4883, 4796..4831, 4970..5398, 4974..5393		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-
Start	4622	End	5823
Name	OJ991202_08.0421.C15.o1.ts	Method	TBLASTX:Soybean
Start	4739	End	5709
GI	none	Score	66
Exons	4739..4831, 4755..4883, 4928..5398, 4989..5399, 5497..5709, 5498..5656		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-

Start	4622	End	5823
Name	OJ991202_08.0421.C15.o1.tc	Method	TBLASTX:Cress
Start	4763	End	5712
GI	none	Score	235
Exons	4763..4831, 4910..5401, 4995..5399, 5494..5712, 5498..5638		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-
Start	4622	End	5823
Name	OJ991202_08.0421.C15.o4.gp	Method	AAT/GAP
Start	5316	End	5823
GI	LIB3434-041-P1-K1-A10	Score	781
Exons	5316..5401, 5497..5823		
GI Descrip.	'2129770/pir||S71224 2.0e-32 xyloglucan endotransglycosylase-related protein XTR-2 - Arabidopsis thaliana >gi_1244756 (U43487) xyloglucan endotransglycosylase-related protein [Arabidopsis thaliana] >gi_2154611_dbj_BAA20290_ (D63510) endoxyloglucan transferase related protein [Arabidopsis thaliana] >gi_5533311_gb_AAD45124.1_AF163820_1 (AF163820) endoxyloglucan transferase [Ara'		

Seq. No.	48653	Seq. ID	OJ991202_08.0421.C15
Gene No.	103641	Strand	-
Start	4622	End	5823
Name	OJ991202_08.0421.C15.o3.tm	Method	TBLASTX:Maize
Start	5489	End	5707
GI	none	Score	150
Exons	5489..5707, 5497..5706		

Seq. No.	48654	Seq. ID	OJ991202_08.0421.C16
Gene No.	103642	Strand	+
Start	1003	End	2294
Name	OJ991202_08.0421.C16.o1.np	Method	AAT/NAP
Start	1003	End	2294
GI	82523	Score	1080
Exons	1003..1086, 1633..2294		
GI Descrip.	hypothetical 29K protein (trnH-trnV intergenic region) - rice chloroplast gi|12034|emb|CAA33940| (X15901) ORF249 [Oryza sativa] gi|12068|emb|CAA33921| (X15901) ORF249 [Oryza sativa] gi|226655|prf||1603356CF ORF 249 [Oryza sativa]		

Seq. No.	48655	Seq. ID	OJ991202_08.0421.C17
Gene No.	103643	Strand	+
Start	1218	End	1799
Name	OJ991202_08.0421.C17.o1.gs	Method	GENSCAN
Start	1218	End	1799
GI	none	Score	.7
Exons	1218..1231, 1683..1799		

Seq. No.	48655	Seq. ID	OJ991202_08.0421.C17
Gene No.	103644	Strand	-
Start	242	End	2774
Name	OJ991202_08.0421.C17.o1.tw	Method	TBLASTX:Wheat
Start	1	End	433
GI	none	Score	60
Exons	1..69, 2..82, 2..82, 57..137, 62..139, 64..138, 73..135,		

89..154, 99..167, 100..141, 127..147, 152..178, 152..202, 153..200, 192..431, 192..431, 217..432, 248..433

Seq. No.	48655	Seq. ID	OJ991202_08.0421.C17
Gene No.	103644	Strand	-
Start	242	End	2774
Name	OJ991202_08.0421.C17.o1.ts	Method	TBLASTX:Soybean
Start	228	End	478
GI	none	Score	294
Exons	228..476, 240..473, 248..478		

Seq. No.	48655	Seq. ID	OJ991202_08.0421.C17
Gene No.	103644	Strand	-
Start	242	End	2774
Name	OJ991202_08.0421.C17.o1.np	Method	AAT/NAP
Start	242	End	2774
GI	128657	Score	338
Exons	242..520, 1361..1451, 2700..2774		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 2, CHLOROPLAST gi|66149|pir||DERZN2 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - rice chloroplast gi|669085|emb|CAA33941| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|669089|emb|CAA33920| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|226656|prf||1603356CG NADH dehydrogenase ND2 [Oryza sativa]		

Seq. No.	48655	Seq. ID	OJ991202_08.0421.C17
Gene No.	103644	Strand	-
Start	242	End	2774
Name	OJ991202_08.0421.C17.o1.gp	Method	AAT/GAP
Start	1439	End	2447
GI	none	Score	1130
Exons	1439..1781, 2072..2167, 2259..2447		

Seq. No.	48655	Seq. ID	OJ991202_08.0421.C17
Gene No.	103644	Strand	-
Start	242	End	2774
Name	OJ991202_08.0421.C17.o1.tm	Method	TBLASTX:Maize
Start	2072	End	2457
GI	none	Score	84
Exons	2072..2170, 2072..2167, 2259..2336, 2260..2373, 2260..2373, 2261..2422, 2374..2457		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103645	Strand	+
Start	1615	End	3440
Name	OJ991202_08.0421.C18.o2.gs	Method	GENSCAN
Start	1615	End	3440
GI	none	Score	.42
Exons	1615..1653, 3249..3440		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103646	Strand	+
Start	6865	End	17706
Name	OJ991202_08.0421.C18.o3.gs	Method	GENSCAN
Start	6865	End	17653
GI	none	Score	.61

Exons	6865..6961, 8723..8767, 8960..9201, 9452..10006, 10355..10498, 11860..11992, 12062..12327, 12683..12795, 12943..13031, 13649..13773, 13829..15654, 15859..16210, 16274..17653		
Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103646	Strand	+
Start	6865	End	17706
Name	OJ991202_08.0421.C18.o1.np	Method	AAT/NAP
Start	9395	End	13153
GI	6539553	Score	4928
Exons	9395..12699, 12924..13153		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103646	Strand	+
Start	6865	End	17706
Name	OJ991202_08.0421.C18.o2.np	Method	AAT/NAP
Start	13847	End	17706
GI	7228457	Score	5602
Exons	13847..14213, 14275..16210, 16274..17108, 17231..17706		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103647	Strand	-
Start	111	End	975
Name	OJ991202_08.0421.C18.o1.gp	Method	AAT/GAP
Start	111	End	975
GI	none	Score	1702
Exons	111..975		
Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103647	Strand	-
Start	111	End	975
Name	OJ991202_08.0421.C18.o1.gs	Method	GENSCAN
Start	216	End	427
GI	none	Score	.7
Exons	216..427		
Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103648	Strand	-
Start	1409	End	2540
Name	OJ991202_08.0421.C18.o3.tm	Method	TBLASTX:Maize
Start	3	End	607
GI	none	Score	122
Exons	3..119, 3..143, 4..144, 7..144, 123..230, 123..221, 131..259, 221..427, 253..429, 253..432, 254..457, 297..434, 467..607, 468..599		
Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103648	Strand	-
Start	1409	End	2540
Name	OJ991202_08.0421.C18.o2.gp	Method	AAT/GAP

Start	1409	End	2540
GI	none	Score	976
Exons	1409..1690, 2307..2540		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103649	Strand	
Start	9380	End	9837
Name	OJ991202_08.0421.C18.o5.tw	Method	TBLASTX:Wheat
Start	9380	End	9775
GI	none	Score	344
Exons	9380..9772, 9389..9775, 9400..9774		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103649	Strand	
Start	9380	End	9837
Name	OJ991202_08.0421.C18.o5.tm	Method	TBLASTX:Maize
Start	9524	End	9837
GI	none	Score	347
Exons	9524..9835, 9542..9832, 9547..9837		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103650	Strand	
Start	10340	End	10655
Name	OJ991202_08.0421.C18.o1.tm	Method	TBLASTX:Maize
Start	10340	End	10655
GI	none	Score	399
Exons	10340..10654, 10360..10653, 10494..10655		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103651	Strand	
Start	10856	End	11880
Name	OJ991202_08.0421.C18.o8.tm	Method	TBLASTX:Maize
Start	10856	End	11249
GI	none	Score	138
Exons	10856..11083, 11082..11249, 11099..11218		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103651	Strand	
Start	10856	End	11880
Name	OJ991202_08.0421.C18.o8.tw	Method	TBLASTX:Wheat
Start	10931	End	11126
GI	none	Score	212
Exons	10931..11086, 10933..11091, 10934..11086, 11082..11126, 11084..11125		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103651	Strand	
Start	10856	End	11880
Name	OJ991202_08.0421.C18.o2.ts	Method	TBLASTX:Soybean
Start	11082	End	11476
GI	none	Score	142
Exons	11082..11249, 11087..11245, 11094..11249, 11303..11476, 11311..11349		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103651	Strand	
Start	10856	End	11880

Name	OJ991202_08.0421.C18.o1.tw	Method	TBLASTX:Wheat
Start	11127	End	11880
GI	none	Score	187
Exons	11127..11255, 11135..11251, 11228..11575, 11234..11602, 11311..11613, 11645..11812, 11666..11812, 11809..11880, 11812..11880		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103652	Strand	
Start	11806	End	12102
Name	OJ991202_08.0421.C18.o4.ts	Method	TBLASTX:Soybean
Start	11806	End	12102
GI	5752663	Score	222
Exons	11806..12102, 11892..11972		
GI Descrip.	-		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103652	Strand	
Start	11806	End	12102
Name	OJ991202_08.0421.C18.o7.tm	Method	TBLASTX:Maize
Start	11815	End	12102
GI	none	Score	220
Exons	11815..12102		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103652	Strand	
Start	11806	End	12102
Name	OJ991202_08.0421.C18.o1.tc	Method	TBLASTX:Cress
Start	11893	End	12099
GI	none	Score	225
Exons	11893..12099		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103653	Strand	
Start	12121	End	12708
Name	OJ991202_08.0421.C18.o6.tm	Method	TBLASTX:Maize
Start	12121	End	12459
GI	none	Score	299
Exons	12121..12459, 12121..12426, 12264..12458		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103653	Strand	
Start	12121	End	12708
Name	OJ991202_08.0421.C18.o3.ts	Method	TBLASTX:Soybean
Start	12304	End	12678
GI	none	Score	114
Exons	12304..12435, 12304..12435, 12453..12584, 12454..12678		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103653	Strand	
Start	12121	End	12708
Name	OJ991202_08.0421.C18.o3.tw	Method	TBLASTX:Wheat
Start	12315	End	12708
GI	none	Score	109
Exons	12315..12386, 12316..12390, 12317..12388, 12392..12706, 12397..12708, 12405..12698, 12406..12699, 12410..12706		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103654	Strand	
Start	14501	End	14893
Name	OJ991202_08.0421.C18.o7.tw	Method	TBLASTX:Wheat
Start	14501	End	14893
GI	none	Score	58
Exons	14501..14548, 14555..14653, 14572..14652, 14620..14781, 14636..14893		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103654	Strand	
Start	14501	End	14893
Name	OJ991202_08.0421.C18.o9.tm	Method	TBLASTX:Maize
Start	14506	End	14791
GI	none	Score	193
Exons	14506..14790, 14543..14791		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103655	Strand	
Start	15672	End	16114
Name	OJ991202_08.0421.C18.o6.tw	Method	TBLASTX:Wheat
Start	15672	End	16114
GI	none	Score	163
Exons	15672..15902, 15681..15794, 15827..15901, 15896..16060, 15904..16086, 15905..16114		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103656	Strand	
Start	16281	End	16768
Name	OJ991202_08.0421.C18.o2.tw	Method	TBLASTX:Wheat
Start	16281	End	16744
GI	none	Score	203
Exons	16281..16724, 16282..16743, 16283..16744		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103656	Strand	
Start	16281	End	16768
Name	OJ991202_08.0421.C18.o5.ts	Method	TBLASTX:Soybean
Start	16322	End	16687
GI	none	Score	117
Exons	16322..16546, 16553..16687		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103656	Strand	
Start	16281	End	16768
Name	OJ991202_08.0421.C18.o2.tm	Method	TBLASTX:Maize
Start	16412	End	16768
GI	none	Score	388
Exons	16412..16768, 16447..16758, 16463..16768		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103657	Strand	
Start	16795	End	17302
Name	OJ991202_08.0421.C18.o4.tm	Method	TBLASTX:Maize
Start	16795	End	17179
GI	none	Score	355
Exons	16795..17160, 16796..17179		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103657	Strand	
Start	16795	End	17302
Name	OJ991202_08.0421.C18.o4.tw	Method	TBLASTX:Wheat
Start	16852	End	17277
GI	none	Score	482
Exons	16852..17277, 16853..17272		

Seq. No.	48656	Seq. ID	OJ991202_08.0421.C18
Gene No.	103657	Strand	
Start	16795	End	17302
Name	OJ991202_08.0421.C18.o1.ts	Method	TBLASTX:Soybean
Start	16931	End	17302
GI	none	Score	279
Exons	16931..17302, 16948..17106		

Seq. No.	48657	Seq. ID	OJ991202_08.0421.C19
Gene No.	103658	Strand	+
Start	1	End	2137
Name	OJ991202_08.0421.C19.o1.np	Method	AAT/NAP
Start	1	End	2134
GI	7228457	Score	3437
Exons	1..517, 584..2134		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48657	Seq. ID	OJ991202_08.0421.C19
Gene No.	103658	Strand	+
Start	1	End	2137
Name	OJ991202_08.0421.C19.o1.gs	Method	GENSCAN
Start	65	End	2137
GI	none	Score	.93
Exons	65..2137		

Seq. No.	48657	Seq. ID	OJ991202_08.0421.C19
Gene No.	103659	Strand	-
Start	2755	End	5980
Name	OJ991202_08.0421.C19.o2.tw	Method	TBLASTX:Wheat
Start	38	End	496
GI	none	Score	234
Exons	38..286, 62..286, 127..300, 356..496, 356..493, 358..495		

Seq. No.	48657	Seq. ID	OJ991202_08.0421.C19
Gene No.	103659	Strand	-
Start	2755	End	5980
Name	OJ991202_08.0421.C19.o1.ts	Method	TBLASTX:Soybean
Start	185	End	751
GI	5666795	Score	68
Exons	185..283, 359..496, 551..751		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	48657	Seq. ID	OJ991202_08.0421.C19
Gene No.	103659	Strand	-
Start	2755	End	5980
Name	OJ991202_08.0421.C19.o4.tw	Method	TBLASTX:Wheat

Start	499	End	811
GI	none	Score	192
Exons	499..675, 512..700, 551..811		

Seq. No.	48657	Seq. ID	OJ991202_08.0421.C19
Gene No.	103659	Strand	-
Start	2755	End	5980
Name	OJ991202_08.0421.C19.o1.tm	Method	TBLASTX:Maize
Start	1004	End	1327
GI	none	Score	362
Exons	1004..1327, 1021..1314		

Seq. No.	48657	Seq. ID	OJ991202_08.0421.C19
Gene No.	103659	Strand	-
Start	2755	End	5980
Name	OJ991202_08.0421.C19.o1.tw	Method	TBLASTX:Wheat
Start	1141	End	1522
GI	none	Score	376
Exons	1141..1197, 1142..1522, 1243..1491		

Seq. No.	48657	Seq. ID	OJ991202_08.0421.C19
Gene No.	103659	Strand	-
Start	2755	End	5980
Name	OJ991202_08.0421.C19.o3.tw	Method	TBLASTX:Wheat
Start	1523	End	2125
GI	none	Score	265
Exons	1523..1807, 1528..1806, 1999..2121, 2000..2125		

Seq. No.	48657	Seq. ID	OJ991202_08.0421.C19
Gene No.	103659	Strand	-
Start	2755	End	5980
Name	OJ991202_08.0421.C19.o2.tm	Method	TBLASTX:Maize
Start	1994	End	2175
GI	none	Score	196
Exons	1994..2161, 1999..2175		

Seq. No.	48657	Seq. ID	OJ991202_08.0421.C19
Gene No.	103659	Strand	-
Start	2755	End	5980
Name	OJ991202_08.0421.C19.o2.gs	Method	GENSCAN
Start	2755	End	5980
GI	none	Score	.68
Exons	2755..4627, 4721..5517, 5519..5635, 5654..5980		

Seq. No.	48657	Seq. ID	OJ991202_08.0421.C19
Gene No.	103659	Strand	-
Start	2755	End	5980
Name	OJ991202_08.0421.C19.o2.np	Method	AAT/NAP
Start	2758	End	5980
GI	6907089	Score	4096
Exons	2758..4627, 4721..5980		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48658	Seq. ID	OJ991202_08.0421.C20
Gene No.	103660	Strand	+
Start	1	End	670
Name	OJ991202_08.0421.C20.o1.np	Method	AAT/NAP

Start	1	End	670
GI	6539553	Score	343
Exons	1..32, 298..670		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	48658	Seq. ID	OJ991202_08.0421.C20
Gene No.	103661	Strand	-
Start	770	End	889
Name	OJ991202_08.0421.C20.o1.gp	Method	AAT/GAP
Start	770	End	889
GI	LIB3475-004-P1-K2-A5	Score	188
Exons	770..889		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	48658	Seq. ID	OJ991202_08.0421.C20
Gene No.	103662	Strand	-
Start	1083	End	1209
Name	OJ991202_08.0421.C20.o2.np	Method	AAT/NAP
Start	1083	End	1209
GI	7339719	Score	109
Exons	1083..1209		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	48658	Seq. ID	OJ991202_08.0421.C20
Gene No.	103663	Strand	-
Start	1365	End	2034
Name	OJ991202_08.0421.C20.o1.gs	Method	GENSCAN
Start	1365	End	2034
GI	none	Score	.78
Exons	1365..1392, 1914..2034		

Seq. No.	48659	Seq. ID	OJ991202_08.0421.C22
Gene No.	103664	Strand	+
Start	1	End	6121
Name	OJ991202_08.0421.C22.o1.np	Method	AAT/NAP
Start	1	End	4776
GI	7106515	Score	1413
Exons	1..734, 3807..4598, 4681..4776		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]		

Seq. No.	48659	Seq. ID	OJ991202_08.0421.C22
Gene No.	103664	Strand	+
Start	1	End	6121
Name	OJ991202_08.0421.C22.o1.gs	Method	GENSCAN
Start	201	End	6121
GI	none	Score	.44
Exons	201..756, 1578..1704, 2417..2827, 3061..3125, 3310..3440, 3948..4295, 5247..5520, 5635..5731, 5994..6121		

Seq. No.	48659	Seq. ID	OJ991202_08.0421.C22
Gene No.	103664	Strand	+

Start	1	End	6121
Name	OJ991202_08.0421.C22.o1.tm	Method	TBLASTX:Maize
Start	369	End	731
GI	none	Score	299
Exons	369..731, 389..619		

Seq. No.	48659	Seq. ID	OJ991202_08.0421.C22
Gene No.	103664	Strand	+
Start	1	End	6121
Name	OJ991202_08.0421.C22.o2.tm	Method	TBLASTX:Maize
Start	4092	End	4412
GI	none	Score	170
Exons	4092..4319, 4094..4318, 4338..4412, 4341..4409		

Seq. No.	48659	Seq. ID	OJ991202_08.0421.C22
Gene No.	103664	Strand	+
Start	1	End	6121
Name	OJ991202_08.0421.C22.o1.tc	Method	TBLASTX:Cress
Start	4101	End	4346
GI	none	Score	198
Exons	4101..4346		

Seq. No.	48659	Seq. ID	OJ991202_08.0421.C22
Gene No.	103664	Strand	+
Start	1	End	6121
Name	OJ991202_08.0421.C22.o1.ts	Method	TBLASTX:Soybean
Start	4338	End	4520
GI	none	Score	184
Exons	4338..4520, 4340..4498		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103665	Strand	+
Start	1411	End	4139
Name	OJ991202_08.0421.C25.o1.gs	Method	GENSCAN
Start	1411	End	4139
GI	none	Score	.91
Exons	1411..1652, 3222..3404, 4115..4139		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103666	Strand	+
Start	4610	End	5697
Name	OJ991202_08.0421.C25.o1.gp	Method	AAT/GAP
Start	4569	End	5061
GI	27137_1.R1084	Score	904
Exons	4569..5061		
GI Descrip.	'629561/pir||S44261 2.0e-13 SRG1 protein - Arabidopsis thaliana >gi_479047_emb_CAA55654_ (X79052) SRG1 [Arabidopsis thaliana] >gi_5734767_gb_AAD50032.1_AC007651_27 (AC007651) SRG1 Protein [Arabidopsis thaliana]'		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103666	Strand	+
Start	4610	End	5697
Name	OJ991202_08.0421.C25.o2.gs	Method	GENSCAN
Start	4610	End	5697
GI	none	Score	.64
Exons	4610..5155, 5278..5697		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103666	Strand	+
Start	4610	End	5697
Name	OJ991202_08.0421.C25.o1.np	Method	AAT/NAP
Start	4619	End	5682
GI	629561	Score	654
Exons	4619..5682		
GI Descrip.	SRG1 protein - Arabidopsis thaliana gi|479047|emb|CAA55654| (X79052) SRG1 [Arabidopsis thaliana] gi|5734767|gb|AAD50032.1|AC007651_27 (AC007651) SRG1 Protein [Arabidopsis thaliana]		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103667	Strand	+
Start	8757	End	10350
Name	OJ991202_08.0421.C25.o2.np	Method	AAT/NAP
Start	8757	End	10350
GI	7485158	Score	881
Exons	8757..10350		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244996|emb|CAB10416.1| (Z97341) salt-inducible protein homolog [Arabidopsis thaliana] gi|7268388|emb|CAB78681.1| (AL161543) salt-inducible protein homolog [Arabidopsis thaliana]		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103667	Strand	+
Start	8757	End	10350
Name	OJ991202_08.0421.C25.o3.gp	Method	AAT/GAP
Start	8919	End	9429
GI	uC-osflcyp124f05b1	Score	983
Exons	8919..9429		
GI Descrip.	'2244996/emb|CAB10416.1| 4.0e-37 (Z97341) salt-inducible protein homolog [Arabidopsis thaliana]'		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103668	Strand	+
Start	11007	End	11463
Name	OJ991202_08.0421.C25.o4.gp	Method	AAT/GAP
Start	11007	End	11463
GI	17190_1.R1084	Score	416
Exons	11007..11187, 11414..11463		
GI Descrip.	'5103835/gb|AAD39665.1|AC007591_30 4.0e-56 (AC007591) ESTs gb_T22508, gb_H36196 and gb_AI100134 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103669	Strand	-
Start	5514	End	6005
Name	OJ991202_08.0421.C25.o4.tm	Method	TBLASTX:Maize
Start	1396	End	1593
GI	none	Score	199
Exons	1396..1593, 1410..1592		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103669	Strand	-
Start	5514	End	6005

Name	OJ991202_08.0421.C25.o3.tm	Method	TBLASTX:Maize
Start	4649	End	5424
GI	none	Score	39
Exons	4649..4681, 4778..4810, 4817..5110, 4855..5094, 5096..5197, 5255..5326, 5257..5349, 5293..5349, 5332..5424, 5353..5412		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103669	Strand	-
Start	5514	End	6005
Name	OJ991202_08.0421.C25.o2.tc	Method	TBLASTX:Cress
Start	4820	End	5095
GI	none	Score	272
Exons	4820..5095, 4852..5064		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103669	Strand	-
Start	5514	End	6005
Name	OJ991202_08.0421.C25.o1.ts	Method	TBLASTX:Soybean
Start	4841	End	5785
GI	none	Score	207
Exons	4841..5092, 4852..5067, 5111..5206, 5278..5517, 5284..5637, 5292..5540, 5741..5785		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103669	Strand	-
Start	5514	End	6005
Name	OJ991202_08.0421.C25.o1.tc	Method	TBLASTX:Cress
Start	5269	End	5577
GI	none	Score	325
Exons	5269..5577, 5295..5561		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103669	Strand	-
Start	5514	End	6005
Name	OJ991202_08.0421.C25.o2.gp	Method	AAT/GAP
Start	5514	End	6005
GI	none	Score	945
Exons	5514..6005		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103670	Strand	
Start	9049	End	9873
Name	OJ991202_08.0421.C25.o3.ts	Method	TBLASTX:Soybean
Start	9049	End	9195
GI	none	Score	187
Exons	9049..9195, 9063..9194		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103670	Strand	
Start	9049	End	9873
Name	OJ991202_08.0421.C25.o1.tm	Method	TBLASTX:Maize
Start	9073	End	9873
GI	none	Score	117
Exons	9073..9321, 9178..9432, 9325..9873, 9327..9869		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103670	Strand	

Start	9049	End	9873
Name	OJ991202_08.0421.C25.o2.ts	Method	TBLASTX:Soybean
Start	9196	End	9765
GI	none	Score	106
Exons	9196..9426, 9522..9755, 9523..9765		

Seq. No.	48660	Seq. ID	OJ991202_08.0421.C25
Gene No.	103671	Strand	
Start	9873	End	10310
Name	OJ991202_08.0421.C25.o2.tm	Method	TBLASTX:Maize
Start	9873	End	10310
GI	none	Score	373
Exons	9873..10130, 9880..10131, 10138..10308, 10138..10308, 10146..10310		

Seq. No.	48661	Seq. ID	OJ991202_08.0421.C27
Gene No.	103672	Strand	+
Start	1	End	925
Name	OJ991202_08.0421.C27.o1.np	Method	AAT/NAP
Start	1	End	910
GI	3608137	Score	237
Exons	1..29, 336..555, 681..910		
GI Descrip.	(AC005314) unknown protein [Arabidopsis thaliana]		

Seq. No.	48661	Seq. ID	OJ991202_08.0421.C27
Gene No.	103672	Strand	+
Start	1	End	925
Name	OJ991202_08.0421.C27.o1.tm	Method	TBLASTX:Maize
Start	6	End	925
GI	none	Score	196
Exons	6..56, 39..581, 42..428, 74..550, 142..573, 679..897, 679..897, 692..925		

Seq. No.	48661	Seq. ID	OJ991202_08.0421.C27
Gene No.	103672	Strand	+
Start	1	End	925
Name	OJ991202_08.0421.C27.o1.gs	Method	GENSCAN
Start	32	End	910
GI	none	Score	.67
Exons	32..555, 669..910		

Seq. No.	48661	Seq. ID	OJ991202_08.0421.C27
Gene No.	103672	Strand	+
Start	1	End	925
Name	OJ991202_08.0421.C27.o1.gp	Method	AAT/GAP
Start	112	End	720
GI	6089_2.R1084	Score	929
Exons	112..555, 669..720		
GI Descrip.	'3608137 1.0e-12 (AC005314) unknown protein [Arabidopsis thaliana]'		

Seq. No.	48661	Seq. ID	OJ991202_08.0421.C27
Gene No.	103672	Strand	+
Start	1	End	925
Name	OJ991202_08.0421.C27.o1.ts	Method	TBLASTX:Soybean
Start	347	End	894
GI	none	Score	117

Exons	347..472, 505..543, 509..532, 659..808, 667..894, 667..891		
Seq. No.	48662	Seq. ID	OJ991202_08.0421.C28
Gene No.	103673	Strand	+
Start	196	End	425
Name	OJ991202_08.0421.C28.o1.np	Method	AAT/NAP
Start	196	End	425
GI	6069646	Score	87
Exons	196..425		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	48663	Seq. ID	OJ991202_08.0421.C29
Gene No.	103674	Strand	+
Start	3058	End	4481
Name	OJ991202_08.0421.C29.o1.gs	Method	GENSCAN
Start	3058	End	4481
GI	none	Score	.44
Exons	3058..3585, 4005..4481		
Seq. No.	48663	Seq. ID	OJ991202_08.0421.C29
Gene No.	103674	Strand	+
Start	3058	End	4481
Name	OJ991202_08.0421.C29.o1.np	Method	AAT/NAP
Start	3345	End	4433
GI	3608128	Score	425
Exons	3345..3585, 4002..4120, 4265..4433		
GI Descrip.	(AC005314) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	48663	Seq. ID	OJ991202_08.0421.C29
Gene No.	103675	Strand	-
Start	5690	End	6055
Name	OJ991202_08.0421.C29.o1.tm	Method	TBLASTX:Maize
Start	3342	End	3591
GI	none	Score	292
Exons	3342..3545, 3358..3591		
Seq. No.	48663	Seq. ID	OJ991202_08.0421.C29
Gene No.	103675	Strand	-
Start	5690	End	6055
Name	OJ991202_08.0421.C29.o2.ts	Method	TBLASTX:Soybean
Start	3420	End	4655
GI	none	Score	207
Exons	3420..3593, 3421..3564, 4581..4655		
Seq. No.	48663	Seq. ID	OJ991202_08.0421.C29
Gene No.	103675	Strand	-
Start	5690	End	6055
Name	OJ991202_08.0421.C29.o2.gs	Method	GENSCAN
Start	5690	End	6046
GI	none	Score	.87
Exons	5690..6046		
Seq. No.	48663	Seq. ID	OJ991202_08.0421.C29

Gene No.	103675	Strand	-
Start	5690	End	6055
Name	OJ991202_08.0421.C29.o2.np	Method	AAT/NAP
Start	5696	End	6053
GI	7339491	Score	334
Exons	5696..6053		
GI Descrip.	(AL162459) putative protein [Arabidopsis thaliana]		

Seq. No.	48663	Seq. ID	OJ991202_08.0421.C29
Gene No.	103675	Strand	-
Start	5690	End	6055
Name	OJ991202_08.0421.C29.o1.ts	Method	TBLASTX:Soybean
Start	5714	End	6055
GI	none	Score	139
Exons	5714..5875, 5724..5840, 5890..6012, 5891..6049, 5901..6047, 5915..6055		

Seq. No.	48663	Seq. ID	OJ991202_08.0421.C29
Gene No.	103675	Strand	-
Start	5690	End	6055
Name	OJ991202_08.0421.C29.o1.tc	Method	TBLASTX:Cress
Start	5735	End	6047
GI	none	Score	95
Exons	5735..5875, 5736..5840, 5759..5869, 5767..5880, 5876..6046, 5889..6047		

Seq. No.	48664	Seq. ID	OJ991202_08.0421.C30
Gene No.	103676	Strand	-
Start	1	End	1766
Name	OJ991202_08.0421.C30.o1.np	Method	AAT/NAP
Start	1	End	1766
GI	7339491	Score	190
Exons	1..226, 328..383, 1746..1766		
GI Descrip.	(AL162459) putative protein [Arabidopsis thaliana]		

Seq. No.	48664	Seq. ID	OJ991202_08.0421.C30
Gene No.	103676	Strand	-
Start	1	End	1766
Name	OJ991202_08.0421.C30.o1.gs	Method	GENSCAN
Start	38	End	229
GI	none	Score	.99
Exons	38..229		

Seq. No.	48665	Seq. ID	OJ991202_08.0421.C35
Gene No.	103677	Strand	-
Start	1159	End	1535
Name	OJ991202_08.0421.C35.o1.gs	Method	GENSCAN
Start	1159	End	1535
GI	none	Score	.82
Exons	1159..1207, 1483..1535		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103678	Strand	+
Start	2354	End	2810
Name	OJ991202_08.0421.C36.o1.gp	Method	AAT/GAP
Start	2354	End	2810
GI	none	Score	898

Exons	2354..2810		
Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103679	Strand	+
Start	5818	End	7380
Name	OJ991202_08.0421.C36.o3.gp	Method	AAT/GAP
Start	5796	End	7080
GI	none	Score	826
Exons	5796..5923, 6704..7080		
Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103679	Strand	+
Start	5818	End	7380
Name	OJ991202_08.0421.C36.o2.gs	Method	GENSCAN
Start	5818	End	7380
GI	none	Score	.68
Exons	5818..5923, 6704..7380		
Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103679	Strand	+
Start	5818	End	7380
Name	OJ991202_08.0421.C36.o2.np	Method	AAT/NAP
Start	6623	End	7377
GI	4510390	Score	646
Exons	6623..6766, 6807..7377		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		
Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103680	Strand	+
Start	10851	End	20253
Name	OJ991202_08.0421.C36.o4.gp	Method	AAT/GAP
Start	10800	End	11421
GI	none	Score	1165
Exons	10800..11421		
Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103680	Strand	+
Start	10851	End	20253
Name	OJ991202_08.0421.C36.o4.gs	Method	GENSCAN
Start	10851	End	11417
GI	none	Score	1
Exons	10851..11417		
Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103680	Strand	+
Start	10851	End	20253
Name	OJ991202_08.0421.C36.o4.np	Method	AAT/NAP
Start	10908	End	11414
GI	6728970	Score	472
Exons	10908..11414		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		
Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103680	Strand	+
Start	10851	End	20253
Name	OJ991202_08.0421.C36.o6.np	Method	AAT/NAP
Start	10962	End	19364

GI	7485814	Score	388
Exons	10962..11128, 13732..13862, 14348..14549, 16555..16709, 19070..19364		
GI Descrip.	hypothetical protein F19I3.6 - Arabidopsis thaliana gi|3033379|gb|AAC12823.1| (AC004238) putative WRKY-type DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103680	Strand	+
Start	10851	End	20253
Name	OJ991202_08.0421.C36.o5.gp	Method	AAT/GAP
Start	12685	End	13171
GI	none	Score	860
Exons	12685..13171		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103680	Strand	+
Start	10851	End	20253
Name	OJ991202_08.0421.C36.o6.gs	Method	GENSCAN
Start	19104	End	20253
GI	none	Score	.87
Exons	19104..19450, 20214..20253		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103681	Strand	-
Start	2549	End	5416
Name	OJ991202_08.0421.C36.o1.gs	Method	GENSCAN
Start	2549	End	5416
GI	none	Score	1
Exons	2549..5416		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103681	Strand	-
Start	2549	End	5416
Name	OJ991202_08.0421.C36.o2.gp	Method	AAT/GAP
Start	3388	End	3886
GI	none	Score	926
Exons	3388..3886		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o6.tm	Method	TBLASTX:Maize
Start	2543	End	2720
GI	none	Score	174
Exons	2543..2719, 2547..2720		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o3.tc	Method	TBLASTX:Cress
Start	3000	End	3366
GI	none	Score	255
Exons	3000..3209, 3002..3364, 3009..3365, 3025..3366, 3247..3366		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-

Start	7140	End	19225
Name	OJ991202_08.0421.C36.o5.tm	Method	TBLASTX:Maize
Start	3023	End	3233
GI	none	Score	226
Exons	3023..3232, 3024..3233		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o4.ts	Method	TBLASTX:Soybean
Start	3977	End	4244
GI	none	Score	119
Exons	3977..4213, 3978..4244		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o2.tm	Method	TBLASTX:Maize
Start	5806	End	7147
GI	none	Score	44
Exons	5806..5919, 5811..5840, 5812..5919, 5873..5944, 6702..7139, 6702..7142, 6703..7146, 6857..7147		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o1.tw	Method	TBLASTX:Wheat
Start	6745	End	7055
GI	none	Score	290
Exons	6745..7053, 6747..7055, 6747..7055		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o1.tc	Method	TBLASTX:Cress
Start	6893	End	7386
GI	none	Score	100
Exons	6893..7180, 6898..7341, 6901..7344, 6924..7343, 7342..7386		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o5.np	Method	AAT/NAP
Start	7140	End	15893
GI	7487780	Score	881
Exons	7140..7191, 10149..10294, 13028..13122, 13291..13395, 13602..13724, 14115..14375, 14508..14663, 14691..14964, 15696..15893		
GI Descrip.	hypothetical protein T6K21.70 - Arabidopsis thaliana gi|2894598|emb|CAA17132.1| (AL021889) putative protein [Arabidopsis thaliana] gi|7268541|emb|CAB78791.1| (AL161547) putative protein [Arabidopsis thaliana]		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o4.tm	Method	TBLASTX:Maize

Start	7173	End	7415
GI	none	Score	278
Exons	7173..7343, 7174..7347, 7345..7413, 7350..7415		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o3.gs	Method	GENSCAN
Start	8287	End	10530
GI	none	Score	.91
Exons	8287..8382, 8896..8952, 9042..9134, 9330..9395, 9503..9712, 9809..10081, 10171..10310, 10389..10530		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o3.np	Method	AAT/NAP
Start	8293	End	10544
GI	7486435	Score	566
Exons	8293..8382, 8896..8952, 9042..9134, 9330..9395, 9503..9709, 9893..10072, 10171..10225, 10358..10544		
GI Descrip.	hypothetical protein F4I1.32 - Arabidopsis thaliana gi|3128193|gb|AAC16097.1| (AC004521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o1.ts	Method	TBLASTX:Soybean
Start	10925	End	11204
GI	none	Score	323
Exons	10925..11131, 10926..11171, 11160..11204		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o3.tm	Method	TBLASTX:Maize
Start	10925	End	11225
GI	none	Score	244
Exons	10925..11101, 10926..11102, 11102..11215, 11103..11225		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o2.tc	Method	TBLASTX:Cress
Start	10925	End	11405
GI	none	Score	289
Exons	10925..11137, 10926..11144, 11142..11222, 11244..11405		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o5.gs	Method	GENSCAN
Start	13018	End	16663
GI	none	Score	.86
Exons	13018..13095, 13291..13395, 13602..13724, 14115..14375, 14508..14964, 15696..15862, 16535..16663		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o2.ts	Method	TBLASTX:Soybean
Start	13033	End	14949
GI	none	Score	98
Exons	13033..13125, 13034..13114, 13636..13725, 13641..13727, 14120..14200, 14132..14272, 14143..14202, 14151..14354, 14227..14313, 14337..14378, 14640..14948, 14641..14949		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o1.tm	Method	TBLASTX:Maize
Start	13656	End	15820
GI	none	Score	84
Exons	13656..13727, 14112..14228, 14155..14229, 14232..14309, 14277..14378, 14318..14377, 14350..14385, 14500..14586, 14509..14586, 14607..14774, 14641..14772, 14751..14972, 14769..14972, 14773..14973, 15693..15815, 15695..15820		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o6.gp	Method	AAT/GAP
Start	13868	End	14326
GI	LIB3434-033-P1-K1-F1	Score	801
Exons	13868..14326		
GI Descrip.	'2894598/emb|CAA17132.1| 7.0e-09 (AL021889) putative protein [Arabidopsis thaliana]'		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o2.tw	Method	TBLASTX:Wheat
Start	14151	End	14374
GI	none	Score	121
Exons	14151..14366, 14155..14307, 14256..14372, 14330..14374		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o4.tc	Method	TBLASTX:Cress
Start	14763	End	15820
GI	none	Score	223
Exons	14763..14972, 14773..14976, 15693..15809, 15695..15820		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o7.gp	Method	AAT/GAP
Start	14795	End	15816
GI	28872_1.R1084	Score	499
Exons	14795..14964, 15696..15816		
GI Descrip.	'2894598/emb|CAA17132.1| 4.0e-49 (AL021889) putative protein [Arabidopsis thaliana]'		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o3.ts	Method	TBLASTX:Soybean
Start	15693	End	15820
GI	none	Score	154
Exons	15693..15815, 15695..15820		

Seq. No.	48666	Seq. ID	OJ991202_08.0421.C36
Gene No.	103682	Strand	-
Start	7140	End	19225
Name	OJ991202_08.0421.C36.o5.tc	Method	TBLASTX:Cress
Start	16563	End	19225
GI	none	Score	44
Exons	16563..16598, 16564..16599, 16566..16706, 16606..16710, 16639..16710, 19069..19095, 19091..19225, 19095..19214		

Seq. No.	48667	Seq. ID	OJ991202_08.0421.C37
Gene No.	103683	Strand	+
Start	2594	End	6152
Name	OJ991202_08.0421.C37.o2.np	Method	AAT/NAP
Start	2594	End	6152
GI	7492926	Score	143
Exons	2594..2713, 3654..3736, 3819..3871, 4848..4917, 5034..5179, 5279..5372, 5802..6152		
GI Descrip.	probable RNA-binding protein - fission yeast (Schizosaccharomyces pombe) gi|2462671|emb|CAB11047.1| (Z98529) putative RNA-binding protein [Schizosaccharomyces pombe]		

Seq. No.	48667	Seq. ID	OJ991202_08.0421.C37
Gene No.	103683	Strand	+
Start	2594	End	6152
Name	OJ991202_08.0421.C37.o2.gs	Method	GENSCAN
Start	3239	End	6125
GI	none	Score	.9
Exons	3239..3733, 3813..3871, 4848..4917, 5034..5156, 5244..5372, 5676..6125		

Seq. No.	48667	Seq. ID	OJ991202_08.0421.C37
Gene No.	103684	Strand	-
Start	794	End	2922
Name	OJ991202_08.0421.C37.o1.gs	Method	GENSCAN
Start	794	End	2922
GI	none	Score	.87
Exons	794..897, 1006..1135, 1462..1543, 2111..2172, 2508..2608, 2703..2922		

Seq. No.	48667	Seq. ID	OJ991202_08.0421.C37
Gene No.	103684	Strand	-
Start	794	End	2922
Name	OJ991202_08.0421.C37.o1.np	Method	AAT/NAP
Start	1373	End	2880
GI	3805760	Score	134
Exons	1373..1434, 2508..2608, 2656..2880		
GI Descrip.	(AC005693) unknown protein [Arabidopsis thaliana]		

Seq. No.	48667	Seq. ID	OJ991202_08.0421.C37
Gene No.	103685	Strand	-
Start	6348	End	6608
Name	OJ991202_08.0421.C37.o1.tm	Method	TBLASTX:Maize
Start	834	End	2935
GI	none	Score	74
Exons	834..899, 834..899, 836..925, 1007..1066, 1007..1138, 1008..1139, 1090..1140, 1458..1520, 1462..1533, 1586..1663, 1590..1658, 1640..1675, 2470..2610, 2505..2609, 2548..2610, 2697..2837, 2699..2935, 2701..2934		

Seq. No.	48667	Seq. ID	OJ991202_08.0421.C37
Gene No.	103685	Strand	-
Start	6348	End	6608
Name	OJ991202_08.0421.C37.o1.tc	Method	TBLASTX:Cress
Start	1462	End	2854
GI	none	Score	115
Exons	1462..1533, 1593..1631, 1625..1663, 2470..2610, 2505..2609, 2701..2853, 2702..2854		

Seq. No.	48667	Seq. ID	OJ991202_08.0421.C37
Gene No.	103685	Strand	-
Start	6348	End	6608
Name	OJ991202_08.0421.C37.o1.ts	Method	TBLASTX:Soybean
Start	2505	End	2932
GI	none	Score	86
Exons	2505..2609, 2515..2610, 2667..2840, 2701..2922, 2701..2931, 2702..2932		

Seq. No.	48667	Seq. ID	OJ991202_08.0421.C37
Gene No.	103685	Strand	-
Start	6348	End	6608
Name	OJ991202_08.0421.C37.o2.tm	Method	TBLASTX:Maize
Start	3593	End	5374
GI	none	Score	210
Exons	3593..3733, 3619..3738, 3619..3762, 3813..3869, 3814..3870, 3845..3958, 4845..4913, 4845..4913, 4846..4917, 4849..4917, 5033..5158, 5034..5156, 5062..5157, 5241..5372, 5242..5373, 5252..5374		

Seq. No.	48667	Seq. ID	OJ991202_08.0421.C37
Gene No.	103685	Strand	-
Start	6348	End	6608
Name	OJ991202_08.0421.C37.o2.ts	Method	TBLASTX:Soybean
Start	3617	End	5744
GI	4300038	Score	66
Exons	3617..3703, 5046..5096, 5051..5095, 5070..5156, 5099..5158, 5241..5372, 5241..5357, 5264..5374, 5673..5744		
GI Descrip.	2462671/emb_CAB11047_ 1.0e-09 (Z98529) putative RNA-binding protein [Schizosaccharomyces pombe]		

Seq. No.	48667	Seq. ID	OJ991202_08.0421.C37
Gene No.	103685	Strand	-
Start	6348	End	6608
Name	OJ991202_08.0421.C37.o3.tm	Method	TBLASTX:Maize
Start	5807	End	6127
GI	none	Score	148

Exons	5807..5968, 5811..5972, 5811..5969, 5812..5970, 6004..6123, 6011..6127, 6014..6124, 6019..6126		
Seq. No.	48667	Seq. ID	OJ991202_08.0421.C37
Gene No.	103685	Strand	-
Start	6348	End	6608
Name	OJ991202_08.0421.C37.o3.gs	Method	GENSCAN
Start	6348	End	6608
GI	none	Score	.84
Exons	6348..6422, 6507..6608		
Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103686	Strand	+
Start	1	End	2742
Name	OJ991202_05.0421.C1.o1.np	Method	AAT/NAP
Start	1	End	2742
GI	7413539	Score	792
Exons	1..327, 613..957, 1046..1268, 2201..2742		
GI Descrip.	(AL162972) amino acid transport-like protein [Arabidopsis thaliana]		
Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103686	Strand	+
Start	1	End	2742
Name	OJ991202_05.0421.C1.o1.gs	Method	GENSCAN
Start	634	End	2739
GI	none	Score	.75
Exons	634..948, 1037..1268, 1987..2076, 2201..2739		
Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103687	Strand	+
Start	5865	End	6761
Name	OJ991202_05.0421.C1.o1.gp	Method	AAT/GAP
Start	5865	End	6761
GI	none	Score	1758
Exons	5865..6761		
Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103688	Strand	+
Start	7567	End	9832
Name	OJ991202_05.0421.C1.o3.gs	Method	GENSCAN
Start	7567	End	9832
GI	none	Score	.61
Exons	7567..7726, 7791..7925, 7930..8023, 8928..9087, 9530..9667, 9716..9832		
Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103689	Strand	+
Start	11538	End	11987
Name	OJ991202_05.0421.C1.o2.gp	Method	AAT/GAP
Start	11538	End	11987
GI	none	Score	879
Exons	11538..11987		
Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103690	Strand	-
Start	6074	End	6691

Name	OJ991202_05.0421.C1.o2.gs	Method	GENSCAN
Start	6074	End	6691
GI	none	Score	81
Exons	6074..6691		

Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103691	Strand	-
Start	12902	End	15011
Name	OJ991202_05.0421.C1.o2.tm	Method	TBLASTX:Maize
Start	5919	End	6215
GI	none	Score	34
Exons	5919..5966, 5956..6006, 5957..6010, 5991..6068, 6010..6039, 6072..6215, 6074..6214		

Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103691	Strand	-
Start	12902	End	15011
Name	OJ991202_05.0421.C1.o3.tm	Method	TBLASTX:Maize
Start	12212	End	12676
GI	none	Score	57
Exons	12212..12295, 12213..12296, 12393..12428, 12398..12418, 12412..12528, 12417..12533, 12422..12529, 12579..12662, 12580..12663, 12585..12662, 12587..12676		

Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103691	Strand	-
Start	12902	End	15011
Name	OJ991202_05.0421.C1.o3.gp	Method	AAT/GAP
Start	12315	End	12997
GI	1729_1.R1084	Score	930
Exons	12315..12694, 12901..12997		
GI Descrip.	'2463510/emb|Y11048|ZMSNORNA1 5.0e-27 Z.mays small nuclear RNA genes snoR1.1, snoR2.2, snoR3.2, U14.1a, U14.1b, U14.1c and U14.1d'		

Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103691	Strand	-
Start	12902	End	15011
Name	OJ991202_05.0421.C1.o2.ts	Method	TBLASTX:Soybean
Start	12901	End	13931
GI	none	Score	37
Exons	12901..12996, 12954..13019, 12972..13016, 13107..13187, 13108..13188, 13109..13189, 13109..13189, 13288..13317, 13288..13362, 13289..13318, 13349..13399, 13350..13397, 13468..13581, 13469..13582, 13668..13730, 13676..13747, 13739..13819, 13827..13931		

Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103691	Strand	-
Start	12902	End	15011
Name	OJ991202_05.0421.C1.o4.gs	Method	GENSCAN
Start	12902	End	14916
GI	none	Score	82
Exons	12902..12997, 13110..13186, 13290..13384, 13472..13611, 13670..13821, 13842..13989, 14495..14716, 14803..14916		

Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1

Gene No.	103691	Strand	-
Start	12902	End	15011
Name	OJ991202_05.0421.C1.o2.np	Method	AAT/NAP
Start	12905	End	14025
GI	7485543	Score	413
Exons	12905..12997, 13116..13187, 13288..13384, 13472..13581, 13670..14025		
GI Descrip.	hypothetical protein F16B22.21 - Arabidopsis thaliana gi|3341692|gb|AAC27474.1| (AC003672) unknown protein [Arabidopsis thaliana]		

Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103691	Strand	-
Start	12902	End	15011
Name	OJ991202_05.0421.C1.o1.tm	Method	TBLASTX:Maize
Start	12934	End	15009
GI	none	Score	41
Exons	12934..12996, 12966..12995, 12972..13013, 13088..13189, 13104..13187, 13107..13196, 13108..13188, 13264..13386, 13279..13386, 13287..13394, 13469..13579, 13469..13549, 13471..13578, 13668..13865, 13670..13843, 13677..13862, 13869..13904, 13910..13990, 13913..13990, 14073..14177, 14084..14110, 14114..14182, 14115..14210, 14117..14227, 14210..14395, 14277..14396, 14278..14394, 14493..14723, 14494..14523, 14495..14725, 14496..14717, 14584..14724, 14788..15009, 14795..15007		

Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103691	Strand	-
Start	12902	End	15011
Name	OJ991202_05.0421.C1.o4.gp	Method	AAT/GAP
Start	13142	End	13885
GI	LIB3431-028-P1-K1-D7	Score	832
Exons	13142..13186, 13290..13384, 13472..13581, 13670..13885		
GI Descrip.	'3341692 6.0e-30 (AC003672) unknown protein [Arabidopsis thaliana]'		

Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103691	Strand	-
Start	12902	End	15011
Name	OJ991202_05.0421.C1.o1.ts	Method	TBLASTX:Soybean
Start	13931	End	14997
GI	none	Score	45
Exons	13931..13990, 14091..14177, 14286..14396, 14353..14394, 14495..14725, 14499..14717, 14602..14742, 14623..14724, 14737..14901, 14788..14997, 14795..14986		

Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103691	Strand	-
Start	12902	End	15011
Name	OJ991202_05.0421.C1.o5.gp	Method	AAT/GAP
Start	14114	End	14640
GI	uC-osflcyp080d04b1	Score	758
Exons	14114..14393, 14495..14640		
GI Descrip.	'3341691 3.0e-14 (AC003672) putative heterogeneous nuclear ribonucleoprotein A1 [Arabidopsis thaliana]'		

Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103691	Strand	-
Start	12902	End	15011
Name	OJ991202_05.0421.C1.o1.tw	Method	TBLASTX:Wheat
Start	14308	End	14666
GI	none	Score	39
Exons	14308..14394, 14310..14390, 14507..14650, 14508..14666		

Seq. No.	48668	Seq. ID	OJ991202_05.0421.C1
Gene No.	103691	Strand	-
Start	12902	End	15011
Name	OJ991202_05.0421.C1.o3.np	Method	AAT/NAP
Start	14483	End	15011
GI	7485542	Score	284
Exons	14483..14795, 14881..15011		
GI Descrip.	hypothetical protein F16B22.20 - Arabidopsis thaliana gi|3341691|gb|AAC27473.1| (AC003672) putative heterogeneous nuclear ribonucleoprotein [Arabidopsis thaliana]		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103692	Strand	+
Start	3567	End	7639
Name	OJ991202_05.0421.C2.o2.gs	Method	GENSCAN
Start	3567	End	7116
GI	none	Score	.55
Exons	3567..3891, 5496..5698, 5745..5963, 5981..6241, 6322..7116		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103692	Strand	+
Start	3567	End	7639
Name	OJ991202_05.0421.C2.o1.np	Method	AAT/NAP
Start	5503	End	7639
GI	7248457	Score	727
Exons	5503..5889, 5976..6241, 6322..6444, 6547..6909, 7491..7639		
GI Descrip.	(AF131222) protein serine/threonine kinase [Lophopyrum elongatum]		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103693	Strand	+
Start	13903	End	17729
Name	OJ991202_05.0421.C2.o3.np	Method	AAT/NAP
Start	13882	End	17723
GI	2262105	Score	1949
Exons	13882..13957, 14811..15122, 15215..15387, 15787..15884, 16006..16140, 16283..16458, 16597..16739, 16839..17723		
GI Descrip.	(AC002343) unknown protein [Arabidopsis thaliana]		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103693	Strand	+
Start	13903	End	17729
Name	OJ991202_05.0421.C2.o4.gs	Method	GENSCAN
Start	13903	End	17729
GI	none	Score	.78
Exons	13903..13957, 14194..14313, 14649..15122, 15215..15387, 15787..15884, 16006..16140, 16265..16454, 16593..16710, 16801..17144, 17229..17729		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103693	Strand	+
Start	13903	End	17729
Name	OJ991202_05.0421.C2.o5.gp	Method	AAT/GAP
Start	16308	End	17149
GI	11117_1.R1084	Score	1084
Exons	16308..16454, 16593..16710, 16801..17149		
GI Descrip.	'2262105/gb|AAB63613.1| 1.0e-34 (AC002343) unknown protein [Arabidopsis thaliana]'		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103694	Strand	+
Start	20066	End	21845
Name	OJ991202_05.0421.C2.o6.gs	Method	GENSCAN
Start	20066	End	21845
GI	none	Score	.53
Exons	20066..20105, 21433..21645, 21652..21845		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103695	Strand	+
Start	24812	End	25544
Name	OJ991202_05.0421.C2.o7.gs	Method	GENSCAN
Start	24812	End	25544
GI	none	Score	.68
Exons	24812..24968, 25214..25405, 25516..25544		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103696	Strand	+
Start	31745	End	32126
Name	OJ991202_05.0421.C2.o7.gp	Method	AAT/GAP
Start	31745	End	32126
GI	5002855	Score	708
Exons	31745..32126		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103697	Strand	+
Start	33025	End	38374
Name	OJ991202_05.0421.C2.o10.gs	Method	GENSCAN
Start	33025	End	38374
GI	none	Score	.53
Exons	33025..33124, 33690..33818, 34927..34973, 35572..35705, 37855..38374		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103697	Strand	+
Start	33025	End	38374
Name	OJ991202_05.0421.C2.o9.gp	Method	AAT/GAP
Start	33708	End	34401
GI	83032_1.R1084	Score	1020
Exons	33708..34401		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103697	Strand	+
Start	33025	End	38374

Name	OJ991202_05.0421.C2.o10.gp	Method	AAT/GAP
Start	36602	End	36780
GI	LIB3434-053-P1-K1-H7	Score	276
Exons	36602..36780		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-12 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103697	Strand	+
Start	33025	End	38374
Name	OJ991202_05.0421.C2.o11.gp	Method	AAT/GAP
Start	37896	End	38216
GI	2569_2.R1084	Score	440
Exons	37896..38216		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-79 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103698	Strand	+
Start	42637	End	47321
Name	OJ991202_05.0421.C2.o7.np	Method	AAT/NAP
Start	42637	End	47321
GI	6686396	Score	1752
Exons	42637..42739, 43822..44097, 44194..44366, 45470..45567, 45655..45789, 45904..46093, 46175..46331, 46386..47321		
GI Descrip.	(AC007234) F1E22.10 [Arabidopsis thaliana]		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103699	Strand	-
Start	27	End	1689
Name	OJ991202_05.0421.C2.o1.gs	Method	GENSCAN
Start	27	End	1473
GI	none	Score	.75
Exons	27..116, 199..554, 581..721, 1018..1036, 1234..1473		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103699	Strand	-
Start	27	End	1689
Name	OJ991202_05.0421.C2.o1.gp	Method	AAT/GAP
Start	1340	End	1689
GI	427863	Score	472
Exons	1340..1519, 1614..1689		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103700	Strand	-
Start	7182	End	11822
Name	OJ991202_05.0421.C2.o2.gp	Method	AAT/GAP
Start	7182	End	8170
GI	33499_1.R1084	Score	1533
Exons	7182..7660, 7746..7817, 7900..8170		
GI Descrip.	'5302811/emb|CAB46052.1| 4.0e-48 (Z97342) putative serine protease-like protein [Arabidopsis thaliana]'		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103700	Strand	-
Start	7182	End	11822

Name	OJ991202_05.0421.C2.o2.np	Method	AAT/NAP
Start	7359	End	9933
GI	5302811	Score	785
Exons	7359..7669, 7870..8229, 8268..8520, 9872..9933		
GI Descrip.	(Z97342) putative serine protease-like protein [Arabidopsis thaliana]		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103700	Strand	-
Start	7182	End	11822
Name	OJ991202_05.0421.C2.o3.gs	Method	GENSCAN
Start	7424	End	11822
GI	none	Score	.82
Exons	7424..7660, 7746..7874, 7927..8520, 9227..9340, 10013..10123, 10456..10518, 10629..10903, 11100..11268, 11766..11822		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103700	Strand	-
Start	7182	End	11822
Name	OJ991202_05.0421.C2.o3.gp	Method	AAT/GAP
Start	8374	End	10070
GI	3766824	Score	565
Exons	8374..8520, 9195..9266, 9884..9967, 10049..10070		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103700	Strand	-
Start	7182	End	11822
Name	OJ991202_05.0421.C2.o4.gp	Method	AAT/GAP
Start	10065	End	10882
GI	none	Score	693
Exons	10065..10123, 10456..10518, 10629..10882		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103701	Strand	-
Start	17733	End	18016
Name	OJ991202_05.0421.C2.o6.gp	Method	AAT/GAP
Start	17733	End	18016
GI	none	Score	436
Exons	17733..18016		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103702	Strand	-
Start	18024	End	18406
Name	OJ991202_05.0421.C2.o5.gs	Method	GENSCAN
Start	18024	End	18406
GI	none	Score	.6
Exons	18024..18083, 18293..18406		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103703	Strand	-
Start	26976	End	28087
Name	OJ991202_05.0421.C2.o8.gs	Method	GENSCAN
Start	26976	End	27597
GI	none	Score	.69
Exons	26976..27440, 27493..27597		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2

Gene No.	103703	Strand	-
Start	26976	End	28087
Name	OJ991202_05.0421.C2.o4.np	Method	AAT/NAP
Start	26979	End	28087
GI	6815053	Score	791
Exons	26979..27216, 27265..27440, 27941..28087		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103704	Strand	-
Start	32748	End	32824
Name	OJ991202_05.0421.C2.o8.gp	Method	AAT/GAP
Start	32748	End	32824
GI	LIB3477-003-P1-K1-E9	Score	101
Exons	32748..32824		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103705	Strand	-
Start	36492	End	41651
Name	OJ991202_05.0421.C2.o6.np	Method	AAT/NAP
Start	36492	End	39925
GI	6522545	Score	237
Exons	36492..36565, 38407..38628, 39770..39925		
GI Descrip.	(AL132955) putative protein [Arabidopsis thaliana]		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103705	Strand	-
Start	36492	End	41651
Name	OJ991202_05.0421.C2.o11.gs	Method	GENSCAN
Start	39322	End	41651
GI	none	Score	.41
Exons	39322..39642, 39660..39859, 41498..41651		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103706	Strand	-
Start	51437	End	53440
Name	OJ991202_05.0421.C2.o8.np	Method	AAT/NAP
Start	51352	End	53440
GI	6630458	Score	676
Exons	51352..51772, 51803..52080, 52192..53086, 53120..53440		
GI Descrip.	(AC007190) F23N19.13 [Arabidopsis thaliana]		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103706	Strand	-
Start	51437	End	53440
Name	OJ991202_05.0421.C2.o13.gs	Method	GENSCAN
Start	51437	End	53356
GI	none	Score	.67
Exons	51437..51987, 52192..53130, 53290..53356		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o6.tm	Method	TBLASTX:Maize

Start	21	End	456
GI	none	Score	109
Exons	21..116, 27..116, 28..117, 182..388, 196..387, 198..395, 204..401, 381..455, 381..455, 382..456		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o3.tc	Method	TBLASTX:Cress
Start	5724	End	6879
GI	none	Score	90
Exons	5724..5819, 5832..5894, 5978..6079, 6089..6148, 6161..6223, 6319..6447, 6324..6446, 6544..6879, 6546..6707		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o4.tm	Method	TBLASTX:Maize
Start	5724	End	6885
GI	none	Score	72
Exons	5724..5819, 5978..6064, 6079..6225, 6080..6226, 6319..6447, 6319..6441, 6324..6446, 6544..6885, 6546..6779		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o4.ts	Method	TBLASTX:Soybean
Start	5978	End	6879
GI	none	Score	117
Exons	5978..6079, 6085..6225, 6089..6226, 6322..6447, 6333..6446, 6544..6879, 6546..6710		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o2.tw	Method	TBLASTX:Wheat
Start	6370	End	14469
GI	none	Score	95
Exons	6370..6447, 6390..6446, 6544..6783, 6546..6779, 14302..14469		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o2.tm	Method	TBLASTX:Maize
Start	7303	End	8370
GI	none	Score	40
Exons	7303..7344, 7304..7345, 7421..7660, 7425..7661, 7426..7662, 7548..7661, 7746..7820, 7746..7835, 7900..7947, 7901..7948, 7938..8291, 7948..8370, 7949..8353		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o1.ts	Method	TBLASTX:Soybean
Start	7415	End	8532
GI	none	Score	161
Exons	7415..7459, 7460..7660, 7463..7660, 7467..7661, 7746..7835,		

7750..7824, 7900..7929, 7954..8469, 7955..7987, 8021..8446, 8464..8532

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o4.tc	Method	TBLASTX:Cress
Start	7416	End	7835
GI	none	Score	237
Exons	7416..7661, 7424..7660, 7516..7707, 7581..7661, 7749..7835, 7750..7818		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o2.tc	Method	TBLASTX:Cress
Start	7900	End	8434
GI	none	Score	46
Exons	7900..7938, 7907..7939, 7939..8430, 7955..8434		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o10.tm	Method	TBLASTX:Maize
Start	8373	End	9297
GI	none	Score	145
Exons	8373..8522, 8373..8522, 8374..8523, 8375..8524, 9158..9283, 9183..9251, 9196..9297		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o5.ts	Method	TBLASTX:Soybean
Start	14869	End	44378
GI	none	Score	249
Exons	14869..15105, 14870..15124, 15210..15389, 15244..15390, 43829..44098, 43836..44099, 44177..44374, 44211..44378		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o8.tm	Method	TBLASTX:Maize
Start	14869	End	44371
GI	none	Score	257
Exons	14869..15111, 14870..15124, 15259..15390, 15276..15386, 43829..44098, 43836..44099, 44238..44369, 44240..44371		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o6.tc	Method	TBLASTX:Cress
Start	14869	End	44080
GI	none	Score	231
Exons	14869..15105, 14870..15103, 43829..44080, 43836..44078		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-

Start	54913	End	60395
Name	OJ991202_05.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	15784	End	46790
GI	none	Score	148
Exons	15784..15885, 15795..15884, 15997..16140, 16001..16150, 16007..16165, 16244..16453, 16266..16454, 16590..16661, 16595..16693, 16797..17228, 16826..17074, 16998..17147, 45467..45571, 45472..45567, 45472..45576, 45653..45781, 45654..45788, 45655..45789, 45657..45788, 45887..46102, 45892..46116, 45893..46108, 46173..46286, 46174..46287, 46174..46287, 46175..46288, 46364..46789, 46368..46790, 46368..46787, 46421..46789		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o3.ts	Method	TBLASTX:Soybean
Start	15795	End	46279
GI	none	Score	77
Exons	15795..15872, 15795..15887, 15796..15885, 15997..16134, 16001..16150, 16001..16138, 16265..16453, 16266..16475, 16266..16454, 16590..16661, 45478..45576, 45479..45568, 45482..45577, 45484..45579, 45652..45777, 45653..45781, 45656..45781, 45693..45782, 45893..46093, 45904..46086, 45911..46108, 45915..46100, 46174..46278, 46175..46279		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o7.tc	Method	TBLASTX:Cress
Start	16269	End	46254
GI	none	Score	192
Exons	16269..16457, 16271..16459, 16596..16661, 16836..16895, 45908..46108, 45910..46095, 46178..46243, 46189..46254		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o2.ts	Method	TBLASTX:Soybean
Start	16818	End	47281
GI	none	Score	280
Exons	16818..17099, 16826..17071, 17180..17314, 17181..17294, 17319..17471, 17324..17461, 17468..17713, 17475..17717, 46386..46658, 46419..46628, 46424..46666, 46629..46817, 46658..46846, 46658..46849, 46698..46883, 46878..47015, 46883..47020, 47021..47272, 47028..47279, 47033..47281		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	16935	End	47273
GI	none	Score	160
Exons	16935..17096, 16976..17071, 17180..17422, 17181..17420, 17414..17719, 17415..17726, 46493..46981, 46494..46979, 46795..46986, 46971..47273, 46973..47266		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o3.tm	Method	TBLASTX:Maize
Start	17232	End	47290
GI	none	Score	693
Exons	17232..17714, 17234..17716, 17529..17729, 46791..47288, 46792..47289, 46793..47290, 46793..47278		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o1.tw	Method	TBLASTX:Wheat
Start	17336	End	47314
GI	none	Score	424
Exons	17336..17713, 17340..17717, 46899..47279, 46904..47281, 47089..47304, 47096..47314		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o9.tm	Method	TBLASTX:Maize
Start	38301	End	38613
GI	none	Score	141
Exons	38301..38363, 38410..38550, 38411..38554, 38540..38602, 38541..38603, 38554..38613		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o6.ts	Method	TBLASTX:Soybean
Start	38333	End	38611
GI	none	Score	72
Exons	38333..38398, 38346..38399, 38407..38607, 38417..38611		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o5.tc	Method	TBLASTX:Cress
Start	38410	End	38610
GI	none	Score	186
Exons	38410..38610, 38426..38596		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o7.ts	Method	TBLASTX:Soybean
Start	51462	End	58664
GI	none	Score	100
Exons	51462..51647, 51464..51718, 58412..58618, 58419..58664		

Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o7.tm	Method	TBLASTX:Maize
Start	51464	End	58622
GI	none	Score	177

Exons	51464..51670, 51465..51650, 51689..51796, 58415..58621, 58416..58622		
Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o3.tw	Method	TBLASTX:Wheat
Start	52295	End	52552
GI	none	Score	206
Exons	52295..52552		
Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o5.tm	Method	TBLASTX:Maize
Start	52364	End	52957
GI	none	Score	45
Exons	52364..52957, 52494..52568, 52665..52892		
Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o8.tc	Method	TBLASTX:Cress
Start	52610	End	52972
GI	none	Score	87
Exons	52610..52972, 52665..52892		
Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o8.ts	Method	TBLASTX:Soybean
Start	52610	End	53032
GI	none	Score	238
Exons	52610..53032		
Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o14.gs	Method	GENSCAN
Start	54913	End	60210
GI	none	Score	.52
Exons	54913..55079, 56103..56137, 58246..58307, 58855..58997, 59183..59349, 60188..60210		
Seq. No.	48669	Seq. ID	OJ991202_05.0421.C2
Gene No.	103707	Strand	-
Start	54913	End	60395
Name	OJ991202_05.0421.C2.o9.np	Method	AAT/NAP
Start	58294	End	60395
GI	7340723	Score	164
Exons	58294..58655, 60347..60395		
GI Descrip.	(AL162507) putative protein [Arabidopsis thaliana]		
Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103708	Strand	+
Start	2737	End	3064
Name	OJ991202_05.0421.C3.o1.gp	Method	AAT/GAP

Start	2737	End	3064
GI	uC-osflcyp162h03a1	Score	614
Exons	2737..3064		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103709	Strand	+
Start	10318	End	12605
Name	OJ991202_05.0421.C3.o4.gs	Method	GENSCAN
Start	10318	End	12605
GI	none	Score	.5
Exons	10318..10448, 10723..10809, 12156..12340, 12445..12605		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103710	Strand	-
Start	3618	End	4666
Name	OJ991202_05.0421.C3.o1.np	Method	AAT/NAP
Start	3515	End	4666
GI	4773907	Score	139
Exons	3515..3872, 4127..4238, 4545..4666		
GI Descrip.	(AF074021) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103710	Strand	-
Start	3618	End	4666
Name	OJ991202_05.0421.C3.o2.gs	Method	GENSCAN
Start	3618	End	4247
GI	none	Score	.88
Exons	3618..4247		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103711	Strand	-
Start	5420	End	17300
Name	OJ991202_05.0421.C3.o3.gs	Method	GENSCAN
Start	5420	End	9920
GI	none	Score	.41
Exons	5420..5549, 6348..6559, 7177..7332, 8051..8427, 8865..9031, 9157..9260, 9303..9779, 9855..9920		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103711	Strand	-
Start	5420	End	17300
Name	OJ991202_05.0421.C3.o2.np	Method	AAT/NAP
Start	6064	End	8360
GI	3834307	Score	372
Exons	6064..6254, 6348..6559, 7177..7332, 8051..8360		
GI Descrip.	(AC005679) Strong similarity to gene T10I14.120 gi|2832679 putative protein from Arabidopsis thaliana BAC gb|AL021712. ESTs gb|N65887 and gb|N65627 come from this gene. [Arabidopsis thaliana]		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103711	Strand	-
Start	5420	End	17300
Name	OJ991202_05.0421.C3.o3.np	Method	AAT/NAP
Start	8185	End	17231

GI	5006857	Score	346
Exons	8185..8243, 8291..8458, 16822..17231		
GI Descrip.	(AF145730) homeodomain leucine zipper protein [Oryza sativa]		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103711	Strand	-
Start	5420	End	17300
Name	OJ991202_05.0421.C3.o2.gp	Method	AAT/GAP
Start	15955	End	16697
GI	none	Score	1451
Exons	15955..16697		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103711	Strand	-
Start	5420	End	17300
Name	OJ991202_05.0421.C3.o5.gs	Method	GENSCAN
Start	16354	End	17160
GI	none	Score	.63
Exons	16354..16698, 16816..17160		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103711	Strand	-
Start	5420	End	17300
Name	OJ991202_05.0421.C3.o3.gp	Method	AAT/GAP
Start	16902	End	17300
GI	25184_1.R1084	Score	770
Exons	16902..17300		
GI Descrip.	'5006857/gb|AAD37699.1|AF145730_1 1.0e-19 (AF145730) homeodomain leucine zipper protein [Oryza sativa]'		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o6.tm	Method	TBLASTX:Maize
Start	3615	End	3939
GI	none	Score	99
Exons	3615..3686, 3615..3761, 3706..3939, 3813..3938		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o2.tw	Method	TBLASTX:Wheat
Start	3816	End	17089
GI	none	Score	132
Exons	3816..3932, 16813..17088, 16871..17089		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o4.tm	Method	TBLASTX:Maize
Start	6051	End	7281
GI	none	Score	34
Exons	6051..6098, 6098..6205, 6099..6212, 6171..6254, 6173..6253, 6200..6256, 6330..6560, 6330..6560, 6344..6562, 6346..6561, 6347..6562, 7177..7281, 7178..7279		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3

Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o3.ts	Method	TBLASTX:Soybean
Start	6090	End	6562
GI	none	Score	105
Exons	6090..6254, 6092..6253, 6321..6551, 6374..6445, 6449..6562		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o2.tc	Method	TBLASTX:Cress
Start	16813	End	17082
GI	none	Score	74
Exons	16813..17040, 16901..16972, 17029..17082, 17036..17074		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o3.tm	Method	TBLASTX:Maize
Start	16813	End	17089
GI	none	Score	269
Exons	16813..17088, 16826..17089		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o2.ts	Method	TBLASTX:Soybean
Start	16813	End	17089
GI	none	Score	263
Exons	16813..17088, 16814..17089		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o5.tm	Method	TBLASTX:Maize
Start	23232	End	23993
GI	none	Score	202
Exons	23232..23390, 23232..23390, 23233..23412, 23233..23391, 23234..23392, 23945..23992, 23946..23993		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o7.gs	Method	GENSCAN
Start	23808	End	24772
GI	none	Score	.66
Exons	23808..23882, 23948..24772		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o1.ts	Method	TBLASTX:Soybean
Start	24026	End	24566
GI	none	Score	70
Exons	24026..24100, 24027..24101, 24102..24200, 24102..24215, 24104..24265, 24121..24216, 24272..24316, 24287..24460, 24288..24365, 24296..24367, 24402..24461, 24414..24461,		

24491..24565, 24516..24566

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	24044	End	24454
GI	none	Score	239
Exons	24044..24409, 24045..24200, 24049..24396, 24050..24406, 24398..24454, 24413..24454		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o4.gp	Method	AAT/GAP
Start	24379	End	24729
GI	3107825	Score	675
Exons	24379..24729		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o1.tc	Method	TBLASTX:Cress
Start	24404	End	24913
GI	none	Score	46
Exons	24404..24661, 24408..24461, 24491..24598, 24519..24623, 24578..24700, 24633..24704, 24692..24733, 24773..24913, 24774..24905		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o2.tm	Method	TBLASTX:Maize
Start	24566	End	24915
GI	none	Score	157
Exons	24566..24727, 24566..24733, 24570..24731, 24738..24899, 24740..24913, 24742..24900, 24750..24905, 24751..24915		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o1.tw	Method	TBLASTX:Wheat
Start	24605	End	24933
GI	none	Score	146
Exons	24605..24733, 24606..24731, 24610..24732, 24610..24741, 24723..24905, 24733..24933, 24738..24899, 24740..24913		

Seq. No.	48670	Seq. ID	OJ991202_05.0421.C3
Gene No.	103712	Strand	-
Start	23808	End	24933
Name	OJ991202_05.0421.C3.o4.ts	Method	TBLASTX:Soybean
Start	24776	End	24905
GI	none	Score	136
Exons	24776..24901, 24777..24905		

Seq. No.	48671	Seq. ID	OJ991202_05.0421.C4
Gene No.	103713	Strand	-

Start	365	End	786
Name	OJ991202_05.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	60	End	786
GI	none	Score	93
Exons	60..161, 61..159, 326..484, 330..485, 555..587, 556..600, 685..783, 686..784, 686..784, 688..786		

Seq. No.	48671	Seq. ID	OJ991202_05.0421.C4
Gene No.	103713	Strand	-
Start	365	End	786
Name	OJ991202_05.0421.C4.o1.ts	Method	TBLASTX:Soybean
Start	60	End	784
GI	none	Score	142
Exons	60..161, 285..473, 326..484, 344..484, 553..600, 555..593, 685..783, 686..784		

Seq. No.	48671	Seq. ID	OJ991202_05.0421.C4
Gene No.	103713	Strand	-
Start	365	End	786
Name	OJ991202_05.0421.C4.o1.np	Method	AAT/NAP
Start	365	End	785
GI	7485713	Score	46
Exons	365..472, 557..594, 693..785		
GI Descrip.	hypothetical protein F18E5.160 - Arabidopsis thaliana gi|3080398|emb|CAA18718.1| (AL022603) putative protein [Arabidopsis thaliana] gi|7268951|emb|CAB81261.1| (AL161555) putative protein [Arabidopsis thaliana]		

Seq. No.	48672	Seq. ID	OJ991202_04.0421.C1
Gene No.	103714	Strand	-
Start	394	End	476
Name	OJ991202_04.0421.C1.o1.gs	Method	GENSCAN
Start	394	End	476
GI	none	Score	.59
Exons	394..476		

Seq. No.	48673	Seq. ID	OJ991202_04.0421.C2
Gene No.	103715	Strand	+
Start	190	End	989
Name	OJ991202_04.0421.C2.o1.gs	Method	GENSCAN
Start	190	End	989
GI	none	Score	.77
Exons	190..210, 873..989		

Seq. No.	48673	Seq. ID	OJ991202_04.0421.C2
Gene No.	103716	Strand	-
Start	3951	End	6812
Name	OJ991202_04.0421.C2.o2.gs	Method	GENSCAN
Start	3951	End	6755
GI	none	Score	.67
Exons	3951..3971, 4074..4205, 4297..4403, 4607..4811, 4922..5255, 5345..5529, 5603..5804, 6394..6755		

Seq. No.	48673	Seq. ID	OJ991202_04.0421.C2
Gene No.	103716	Strand	-
Start	3951	End	6812
Name	OJ991202_04.0421.C2.o1.np	Method	AAT/NAP

Start	4056	End	6812
GI	6735379	Score	1037
Exons	4056..4205, 4312..4403, 4607..4811, 4922..5255, 5345..5529, 5603..5804, 6394..6661, 6725..6812		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	48673	Seq. ID	OJ991202_04.0421.C2
Gene No.	103716	Strand	-
Start	3951	End	6812
Name	OJ991202_04.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	4059	End	5203
GI	none	Score	166
Exons	4059..4208, 4060..4206, 4062..4208, 4292..4390, 4294..4410, 4295..4405, 4600..4707, 4600..4761, 4602..4808, 4629..4814, 4919..5203, 4927..5193, 4932..5198, 4994..5128		

Seq. No.	48673	Seq. ID	OJ991202_04.0421.C2
Gene No.	103716	Strand	-
Start	3951	End	6812
Name	OJ991202_04.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	4707	End	5409
GI	none	Score	80
Exons	4707..4814, 4707..4808, 4919..5164, 4919..5257, 4932..5216, 4957..5256, 4964..5092, 5326..5409		

Seq. No.	48673	Seq. ID	OJ991202_04.0421.C2
Gene No.	103716	Strand	-
Start	3951	End	6812
Name	OJ991202_04.0421.C2.o1.ts	Method	TBLASTX:Soybean
Start	4728	End	5257
GI	none	Score	135
Exons	4728..4808, 4919..5257, 4953..5213, 4967..5128		

Seq. No.	48673	Seq. ID	OJ991202_04.0421.C2
Gene No.	103716	Strand	-
Start	3951	End	6812
Name	OJ991202_04.0421.C2.o2.tm	Method	TBLASTX:Maize
Start	5204	End	5795
GI	none	Score	59
Exons	5204..5257, 5334..5405, 5334..5408, 5335..5418, 5339..5425, 5339..5431, 5433..5546, 5433..5537, 5594..5794, 5603..5698, 5610..5795		

Seq. No.	48674	Seq. ID	OJ991202_04.0421.C3
Gene No.	103717	Strand	+
Start	4623	End	7429
Name	OJ991202_04.0421.C3.o1.gs	Method	GENSCAN
Start	4623	End	7429
GI	none	Score	.65
Exons	4623..4743, 6789..6950, 7332..7429		

Seq. No.	48674	Seq. ID	OJ991202_04.0421.C3
Gene No.	103718	Strand	+
Start	17612	End	17812
Name	OJ991202_04.0421.C3.o3.gs	Method	GENSCAN
Start	17612	End	17812
GI	none	Score	.68

Exons	17612..17693, 17736..17812		
Seq. No.	48675	Seq. ID	OJ991202_04.0421.C4
Gene No.	103719	Strand	+
Start	554	End	691
Name	OJ991202_04.0421.C4.o1.gs	Method	GENSCAN
Start	554	End	691
GI	none	Score	.54
Exons	554..691		
Seq. No.	48676	Seq. ID	OJ991202_04.0421.C5
Gene No.	103720	Strand	+
Start	2726	End	3457
Name	OJ991202_04.0421.C5.o1.gs	Method	GENSCAN
Start	2726	End	3457
GI	none	Score	.42
Exons	2726..2909, 3309..3457		
Seq. No.	48676	Seq. ID	OJ991202_04.0421.C5
Gene No.	103721	Strand	-
Start	4673	End	14377
Name	OJ991202_04.0421.C5.o3.tm	Method	TBLASTX:Maize
Start	4549	End	4953
GI	none	Score	44
Exons	4549..4641, 4571..4642, 4636..4734, 4694..4810, 4722..4835, 4730..4825, 4731..4835, 4845..4946, 4846..4953, 4865..4945		
Seq. No.	48676	Seq. ID	OJ991202_04.0421.C5
Gene No.	103721	Strand	-
Start	4673	End	14377
Name	OJ991202_04.0421.C5.o2.gs	Method	GENSCAN
Start	4673	End	7729
GI	none	Score	.78
Exons	4673..5356, 5613..5664, 5736..5887, 5971..6132, 6569..6631, 6830..6958, 7142..7255, 7676..7729		
Seq. No.	48676	Seq. ID	OJ991202_04.0421.C5
Gene No.	103721	Strand	-
Start	4673	End	14377
Name	OJ991202_04.0421.C5.o1.np	Method	AAT/NAP
Start	4676	End	12007
GI	6682630	Score	2163
Exons	4676..5292, 5392..5664, 5736..5854, 5971..6132, 6569..6631, 6830..6958, 7142..7255, 7676..7762, 8740..8826, 9067..9128, 9272..9398, 9607..9789, 10257..10367, 10840..10944, 11516..12007		
GI Descrip.	(AC016163) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	48676	Seq. ID	OJ991202_04.0421.C5
Gene No.	103721	Strand	-
Start	4673	End	14377
Name	OJ991202_04.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	4961	End	10946
GI	none	Score	247
Exons	4961..5344, 4961..5254, 4963..5358, 5315..5365, 5349..5432, 5350..5430, 5351..5431, 5366..5437, 5367..5438, 5454..5516, 5455..5517, 5456..5518, 5558..5665, 5562..5666, 5563..5667, 5728..5850, 5736..5855, 5736..5849, 5738..5857, 5738..5857,		

5971..6132, 5972..6133, 5972..6133, 6543..6617, 6566..6634,
6822..6959, 6827..6961, 6830..6961, 6835..6972, 7125..7256,
7133..7258, 7141..7257, 7142..7258, 7671..7763, 7674..7760,
7676..7795, 7676..7765, 8736..8825, 8737..8832, 8738..8827,
8740..8838, 9055..9126, 9065..9136, 9066..9125, 9067..9129,
9068..9130, 9269..9388, 9270..9398, 9270..9407, 9271..9408,
9607..9789, 9608..9790, 9608..9799, 10255..10368, 10255..10368,
10257..10373, 10257..10370, 10826..10924, 10840..10944,
10842..10946

Seq. No.	48676	Seq. ID	OJ991202_04.0421.C5
Gene No.	103721	Strand	-
Start	4673	End	14377
Name	OJ991202_04.0421.C5.o1.gp	Method	AAT/GAP
Start	5432	End	5570
GI	none	Score	225
Exons	5432..5570		

Seq. No.	48676	Seq. ID	OJ991202_04.0421.C5
Gene No.	103721	Strand	-
Start	4673	End	14377
Name	OJ991202_04.0421.C5.o2.gp	Method	AAT/GAP
Start	7700	End	9300
GI	uC-osflm202002e07b1	Score	406
Exons	7700..7762, 8740..8826, 9067..9128, 9272..9300		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	48676	Seq. ID	OJ991202_04.0421.C5
Gene No.	103721	Strand	-
Start	4673	End	14377
Name	OJ991202_04.0421.C5.o3.gs	Method	GENSCAN
Start	8734	End	14377
GI	none	Score	.65
Exons	8734..8861, 9272..9398, 9607..9789, 10257..10367, 11516..12177, 12470..12523, 13305..13574, 13579..13749, 13764..13961, 14178..14377		

Seq. No.	48676	Seq. ID	OJ991202_04.0421.C5
Gene No.	103721	Strand	-
Start	4673	End	14377
Name	OJ991202_04.0421.C5.o4.tm	Method	TBLASTX:Maize
Start	11513	End	11645
GI	none	Score	77
Exons	11513..11572, 11516..11644, 11556..11645		

Seq. No.	48676	Seq. ID	OJ991202_04.0421.C5
Gene No.	103721	Strand	-
Start	4673	End	14377
Name	OJ991202_04.0421.C5.o2.tm	Method	TBLASTX:Maize
Start	11645	End	12173
GI	none	Score	255
Exons	11645..12007, 11778..12008, 12062..12085, 12102..12173		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103722	Strand	+
Start	935	End	5606

Name	OJ991202_04.0421.C6.o1.np	Method	AAT/NAP
Start	935	End	5606
GI	6815097	Score	3302
Exons	935..1803, 2309..2921, 3036..4699, 4841..5606		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103722	Strand	+
Start	935	End	5606
Name	OJ991202_04.0421.C6.o1.gs	Method	GENSCAN
Start	1626	End	1934
GI	none	Score	.99
Exons	1626..1934		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103723	Strand	+
Start	15482	End	17335
Name	OJ991202_04.0421.C6.o2.np	Method	AAT/NAP
Start	15482	End	17335
GI	4558665	Score	1081
Exons	15482..17335		
GI Descrip.	(AC007063) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103723	Strand	+
Start	15482	End	17335
Name	OJ991202_04.0421.C6.o4.gs	Method	GENSCAN
Start	15482	End	17323
GI	none	Score	.63
Exons	15482..17323		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103724	Strand	-
Start	6524	End	12874
Name	OJ991202_04.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	4227	End	4672
GI	5509260	Score	187
Exons	4227..4565, 4230..4433, 4592..4672, 4593..4664		
GI Descrip.	-		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103724	Strand	-
Start	6524	End	12874
Name	OJ991202_04.0421.C6.o3.tc	Method	TBLASTX:Cress
Start	4281	End	4541
GI	none	Score	186
Exons	4281..4541, 4283..4540		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103724	Strand	-
Start	6524	End	12874
Name	OJ991202_04.0421.C6.o1.tw	Method	TBLASTX:Wheat
Start	4320	End	5126
GI	none	Score	147
Exons	4320..4559, 4593..4640, 4701..4778, 5046..5126		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103724	Strand	-
Start	6524	End	12874
Name	OJ991202_04.0421.C6.o5.tm	Method	TBLASTX:Maize
Start	4329	End	4763
GI	none	Score	134
Exons	4329..4553, 4593..4763		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103724	Strand	-
Start	6524	End	12874
Name	OJ991202_04.0421.C6.o3.tm	Method	TBLASTX:Maize
Start	5124	End	5405
GI	none	Score	281
Exons	5124..5405, 5126..5404		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103724	Strand	-
Start	6524	End	12874
Name	OJ991202_04.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	5406	End	5827
GI	none	Score	132
Exons	5406..5501, 5407..5502, 5411..5503, 5562..5783, 5566..5784, 5570..5785, 5780..5827		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103724	Strand	-
Start	6524	End	12874
Name	OJ991202_04.0421.C6.o3.gs	Method	GENSCAN
Start	6524	End	12874
GI	none	Score	.48
Exons	6524..6721, 6823..6942, 7040..7172, 8787..8928, 8975..9252, 11540..11650, 12828..12874		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103725	Strand	
Start	16069	End	16402
Name	OJ991202_04.0421.C6.o4.tm	Method	TBLASTX:Maize
Start	16069	End	16306
GI	none	Score	239
Exons	16069..16299, 16088..16306		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103725	Strand	
Start	16069	End	16402
Name	OJ991202_04.0421.C6.o2.tc	Method	TBLASTX:Cress
Start	16091	End	16402
GI	none	Score	283
Exons	16091..16402, 16126..16230, 16291..16383		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103726	Strand	
Start	16616	End	17119
Name	OJ991202_04.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	16616	End	17038
GI	none	Score	158
Exons	16616..16783, 16639..16749, 16838..17038		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103726	Strand	
Start	16616	End	17119
Name	OJ991202_04.0421.C6.o2.ts	Method	TBLASTX:Soybean
Start	16751	End	17119
GI	none	Score	208
Exons	16751..17119		

Seq. No.	48677	Seq. ID	OJ991202_04.0421.C6
Gene No.	103726	Strand	
Start	16616	End	17119
Name	OJ991202_04.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	16831	End	17103
GI	none	Score	315
Exons	16831..17103, 16835..17101		

Seq. No.	48678	Seq. ID	OJ991202_04.0421.C7
Gene No.	103727	Strand	-
Start	2418	End	5144
Name	OJ991202_04.0421.C7.o1.gs	Method	GENSCAN
Start	2418	End	5144
GI	none	Score	.69
Exons	2418..2572, 2826..2955, 4701..4719, 5074..5144		

Seq. No.	48679	Seq. ID	OJ991202_04.0421.C8
Gene No.	103728	Strand	+
Start	969	End	2568
Name	OJ991202_04.0421.C8.o1.gp	Method	AAT/GAP
Start	909	End	1378
GI	none	Score	917
Exons	909..1378		

Seq. No.	48679	Seq. ID	OJ991202_04.0421.C8
Gene No.	103728	Strand	+
Start	969	End	2568
Name	OJ991202_04.0421.C8.o2.np	Method	AAT/NAP
Start	963	End	2568
GI	6978038	Score	118
Exons	963..1299, 2534..2568		
GI Descrip.	(AF190130) taxadienol acetyl transferase [Taxus cuspidata]		

Seq. No.	48679	Seq. ID	OJ991202_04.0421.C8
Gene No.	103728	Strand	+
Start	969	End	2568
Name	OJ991202_04.0421.C8.o2.gs	Method	GENSCAN
Start	969	End	1400
GI	none	Score	.58
Exons	969..1400		

Seq. No.	48679	Seq. ID	OJ991202_04.0421.C8
Gene No.	103729	Strand	-
Start	19	End	215
Name	OJ991202_04.0421.C8.o1.gs	Method	GENSCAN
Start	19	End	215
GI	none	Score	.41
Exons	19..138, 201..215		

Seq. No.	48679	Seq. ID	OJ991202_04.0421.C8
Gene No.	103730	Strand	-
Start	302	End	1610
Name	OJ991202_04.0421.C8.o1.np	Method	AAT/NAP
Start	302	End	1610
GI	5777617	Score	71
Exons	302..411, 1587..1610		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	48679	Seq. ID	OJ991202_04.0421.C8
Gene No.	103730	Strand	-
Start	302	End	1610
Name	OJ991202_04.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	971	End	1300
GI	none	Score	333
Exons	971..1300, 972..1295		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103731	Strand	+
Start	232	End	1264
Name	OJ991202_04.0421.C9.o1.gs	Method	GENSCAN
Start	232	End	1074
GI	none	Score	.79
Exons	232..1074		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103731	Strand	+
Start	232	End	1264
Name	OJ991202_04.0421.C9.o1.gp	Method	AAT/GAP
Start	950	End	1264
GI	none	Score	584
Exons	950..1264		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103732	Strand	+
Start	2122	End	3585
Name	OJ991202_04.0421.C9.o2.gs	Method	GENSCAN
Start	2122	End	3585
GI	none	Score	.99
Exons	2122..2604, 2728..3585		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103732	Strand	+
Start	2122	End	3585
Name	OJ991202_04.0421.C9.o1.np	Method	AAT/NAP
Start	2146	End	3435
GI	7489142	Score	287
Exons	2146..2604, 2728..3435		
GI Descrip.	hsr201 protein, hypersensitivity-related - common tobacco gi|1171577|emb|CAA64636.1| (X95343) hypersensitivity-related gene [Nicotiana tabacum]		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103732	Strand	+
Start	2122	End	3585
Name	OJ991202_04.0421.C9.o2.gp	Method	AAT/GAP

Start	2172	End	2469
GI	uC-osroM202010b08a1	Score	584
Exons	2172..2469		
GI Descrip.	'1843440/emb|CAA94432| 4.0e-12 (Z70521) unknown [Cucumis melo]'		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103732	Strand	+
Start	2122	End	3585
Name	OJ991202_04.0421.C9.o3.gp	Method	AAT/GAP
Start	2937	End	3310
GI	none	Score	710
Exons	2937..3310		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103733	Strand	+
Start	5663	End	7893
Name	OJ991202_04.0421.C9.o3.gs	Method	GENSCAN
Start	5663	End	7893
GI	none	Score	.5
Exons	5663..5740, 7705..7893		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103733	Strand	+
Start	5663	End	7893
Name	OJ991202_04.0421.C9.o3.np	Method	AAT/NAP
Start	7687	End	7890
GI	7438245	Score	242
Exons	7687..7890		
GI Descrip.	subtilisin-chymotrypsin inhibitor 2 - barley gi|1617121|emb|CAA69915.1| (Y08625) subtilisin-chymotrypsin inhibitor 2 [Hordeum vulgare]		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103734	Strand	+
Start	12306	End	15569
Name	OJ991202_04.0421.C9.o5.gs	Method	GENSCAN
Start	12306	End	15255
GI	none	Score	.77
Exons	12306..12456, 12506..12560, 14147..14277, 14389..14506, 14586..14667, 14840..14989, 15067..15255		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103734	Strand	+
Start	12306	End	15569
Name	OJ991202_04.0421.C9.o6.np	Method	AAT/NAP
Start	13802	End	15569
GI	7512670	Score	248
Exons	13802..13946, 14091..14286, 14407..14477, 14566..14727, 14840..14989, 15067..15260, 15474..15569		
GI Descrip.	hypothetical protein DKFZp434N0735.1 - human (fragment) gi|6102876|emb|CAB59250.1| (AL122075) hypothetical protein [Homo sapiens]		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103735	Strand	-
Start	3417	End	3807
Name	OJ991202_04.0421.C9.o4.gp	Method	AAT/GAP

Start	3417	End	3807
GI	52637_1.R1084	Score	715
Exons	3417..3807		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103736	Strand	-
Start	5593	End	5796
Name	OJ991202_04.0421.C9.o2.np	Method	AAT/NAP
Start	5593	End	5796
GI	7438245	Score	226
Exons	5593..5796		
GI Descrip.	subtilisin-chymotrypsin inhibitor 2 - barley gi|1617121|emb|CAA69915.1| (Y08625) subtilisin-chymotrypsin inhibitor 2 [Hordeum vulgare]		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103737	Strand	-
Start	8765	End	12593
Name	OJ991202_04.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	217	End	3665
GI	none	Score	284
Exons	217..1035, 229..390, 234..578, 234..1076, 427..1074, 705..1076, 2712..2885, 2722..2886, 2925..2981, 2926..3009, 3027..3077, 3028..3105, 3106..3546, 3114..3209, 3381..3512, 3609..3665		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103737	Strand	-
Start	8765	End	12593
Name	OJ991202_04.0421.C9.o3.tw	Method	TBLASTX:Wheat
Start	299	End	3075
GI	none	Score	168
Exons	299..544, 306..563, 427..564, 473..568, 2802..2885, 2803..2886, 2926..3009, 3028..3075		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103737	Strand	-
Start	8765	End	12593
Name	OJ991202_04.0421.C9.o1.tw	Method	TBLASTX:Wheat
Start	657	End	3459
GI	none	Score	391
Exons	657..947, 658..948, 700..948, 3169..3459, 3171..3212, 3381..3458		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103737	Strand	-
Start	8765	End	12593
Name	OJ991202_04.0421.C9.o4.tw	Method	TBLASTX:Wheat
Start	949	End	3546
GI	none	Score	181
Exons	949..1086, 949..1047, 951..1070, 3460..3546		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103737	Strand	-
Start	8765	End	12593
Name	OJ991202_04.0421.C9.o3.tm	Method	TBLASTX:Maize
Start	2178	End	2541

GI	none	Score	451
Exons	2178..2540, 2179..2541		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103737	Strand	-
Start	8765	End	12593
Name	OJ991202_04.0421.C9.o2.tw	Method	TBLASTX:Wheat
Start	5581	End	12593
GI	none	Score	141
Exons	5581..5772, 5582..5773, 5589..5783, 7681..7896, 7704..7895, 7741..7896, 12522..12593		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103737	Strand	-
Start	8765	End	12593
Name	OJ991202_04.0421.C9.o4.tm	Method	TBLASTX:Maize
Start	5590	End	7893
GI	none	Score	185
Exons	5590..5772, 7710..7889, 7711..7893		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103737	Strand	-
Start	8765	End	12593
Name	OJ991202_04.0421.C9.o4.gs	Method	GENSCAN
Start	8765	End	11688
GI	none	Score	.55
Exons	8765..8799, 11299..11444, 11621..11688		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103737	Strand	-
Start	8765	End	12593
Name	OJ991202_04.0421.C9.o4.np	Method	AAT/NAP
Start	10218	End	11760
GI	5295967	Score	94
Exons	10218..10285, 11209..11329, 11532..11760		
GI Descrip.	(AB026295) Similar to Lycopersicon esculentum pT53 mRNA for wound-repressed gene, partial cds.(X59883) [Oryza sativa]		

Seq. No.	48680	Seq. ID	OJ991202_04.0421.C9
Gene No.	103738	Strand	
Start	14165	End	14989
Name	OJ991202_04.0421.C9.o2.tm	Method	TBLASTX:Maize
Start	14165	End	14989
GI	none	Score	160
Exons	14165..14278, 14166..14279, 14176..14280, 14387..14506, 14388..14504, 14390..14506, 14391..14510, 14557..14727, 14585..14719, 14625..14726, 14839..14985, 14840..14989		

Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103739	Strand	+
Start	128	End	2124
Name	OJ991202_04.0421.C10.o1.gs	Method	GENSCAN
Start	128	End	2124
GI	none	Score	.87
Exons	128..275, 352..597, 689..838, 925..1113, 1186..1368, 1466..1581, 1705..1852, 1957..2124		

Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103739	Strand	+
Start	128	End	2124
Name	OJ991202_04.0421.C10.o1.np	Method	AAT/NAP
Start	518	End	2112
GI	7492863	Score	473
Exons	518..597, 689..838, 925..1113, 1186..1243, 1307..1368, 1466..1605, 1738..1852, 1957..2112		
GI Descrip.	probable protein involved in autophagy yeast apg7 homolog - fission yeast (Schizosaccharomyces pombe) gi|4034327|emb|CAA17048.1| (AL021838) putative protein involved in autophagy yeast apg7 homolog [Schizosaccharomyces pombe]		

Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103740	Strand	+
Start	9338	End	9955
Name	OJ991202_04.0421.C10.o3.np	Method	AAT/NAP
Start	9338	End	9955
GI	7496721	Score	88
Exons	9338..9438, 9802..9955		
GI Descrip.	hypothetical protein C30E1.1 - Caenorhabditis elegans gi|2435542|gb|AAB71254.1| (AF026204) C30E1.1 gene product [Caenorhabditis elegans]		

Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103741	Strand	-
Start	2403	End	2918
Name	OJ991202_04.0421.C10.o2.gs	Method	GENSCAN
Start	2403	End	2918
GI	none	Score	1
Exons	2403..2918		

Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103742	Strand	-
Start	3259	End	7108
Name	OJ991202_04.0421.C10.o2.tm	Method	TBLASTX:Maize
Start	129	End	2082
GI	none	Score	119
Exons	129..236, 134..277, 352..453, 363..452, 1704..1853, 1704..1850, 1705..1854, 1706..1855, 1956..2081, 1957..2082, 1957..2082		

Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103742	Strand	-
Start	3259	End	7108
Name	OJ991202_04.0421.C10.o1.ts	Method	TBLASTX:Soybean
Start	162	End	1825
GI	none	Score	66
Exons	162..215, 923..1111, 925..1134, 928..1113, 1183..1248, 1183..1245, 1185..1247, 1315..1368, 1321..1356, 1323..1376, 1459..1581, 1466..1582, 1736..1825		

Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103742	Strand	-
Start	3259	End	7108
Name	OJ991202_04.0421.C10.o3.tc	Method	TBLASTX:Cress
Start	463	End	1017
GI	none	Score	109

Exons	463..597, 528..596, 677..778, 898..1017, 909..1016		
Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103742	Strand	-
Start	3259	End	7108
Name	OJ991202_04.0421.C10.o3.tm	Method	TBLASTX:Maize
Start	537	End	975
GI	none	Score	81
Exons	537..581, 540..599, 541..597, 660..746, 677..760, 688..759, 690..761, 761..838, 761..838, 763..840, 790..840, 903..974, 909..974, 916..975		
Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103742	Strand	-
Start	3259	End	7108
Name	OJ991202_04.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	976	End	1573
GI	none	Score	210
Exons	976..1134, 976..1113, 1176..1364, 1183..1368, 1185..1367, 1465..1569, 1466..1573, 1469..1573		
Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103742	Strand	-
Start	3259	End	7108
Name	OJ991202_04.0421.C10.o2.tc	Method	TBLASTX:Cress
Start	1069	End	1582
GI	none	Score	78
Exons	1069..1122, 1162..1248, 1185..1247, 1321..1374, 1323..1373, 1466..1582, 1477..1581		
Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103742	Strand	-
Start	3259	End	7108
Name	OJ991202_04.0421.C10.o2.np	Method	AAT/NAP
Start	3259	End	6920
GI	6735377	Score	638
Exons	3259..3437, 3504..3596, 4959..5095, 5539..5629, 5813..5844, 5989..6061, 6140..6240, 6557..6588, 6783..6920		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		
Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103742	Strand	-
Start	3259	End	7108
Name	OJ991202_04.0421.C10.o1.gp	Method	AAT/GAP
Start	3345	End	3569
GI	427501	Score	388
Exons	3345..3569		
Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103742	Strand	-
Start	3259	End	7108
Name	OJ991202_04.0421.C10.o4.tm	Method	TBLASTX:Maize
Start	5059	End	6821
GI	none	Score	102
Exons	5059..5100, 5814..5846, 5975..6061, 5988..6074, 5991..6062, 6119..6241, 6138..6260, 6141..6266, 6780..6821		

Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103742	Strand	-
Start	3259	End	7108
Name	OJ991202_04.0421.C10.o1.tc	Method	TBLASTX:Cress
Start	5583	End	6260
GI	none	Score	79
Exons	5583..5630, 5988..6074, 6138..6260, 6141..6236		

Seq. No.	48681	Seq. ID	OJ991202_04.0421.C10
Gene No.	103742	Strand	-
Start	3259	End	7108
Name	OJ991202_04.0421.C10.o2.gp	Method	AAT/GAP
Start	6187	End	7108
GI	2310281	Score	752
Exons	6187..6240, 6557..6588, 6783..7108		

Seq. No.	48682	Seq. ID	OJ991202_04.0421.C11
Gene No.	103743	Strand	+
Start	177	End	665
Name	OJ991202_04.0421.C11.o1.gs	Method	GENSCAN
Start	177	End	665
GI	none	Score	.47
Exons	177..665		

Seq. No.	48682	Seq. ID	OJ991202_04.0421.C11
Gene No.	103744	Strand	+
Start	3059	End	3457
Name	OJ991202_04.0421.C11.o1.gp	Method	AAT/GAP
Start	3059	End	3457
GI	uC-osf1cyp016e06b1	Score	683
Exons	3059..3457		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 3.0e-73 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	48682	Seq. ID	OJ991202_04.0421.C11
Gene No.	103745	Strand	-
Start	1	End	630
Name	OJ991202_04.0421.C11.o1.np	Method	AAT/NAP
Start	1	End	630
GI	119714	Score	110
Exons	1..630		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	48682	Seq. ID	OJ991202_04.0421.C11
Gene No.	103746	Strand	-
Start	3800	End	4154
Name	OJ991202_04.0421.C11.o1.tw	Method	TBLASTX:Wheat
Start	2	End	400
GI	none	Score	119
Exons	2..82, 3..83, 89..241, 91..240, 130..243, 236..322, 274..330, 285..338, 335..370, 341..400		

Seq. No.	48682	Seq. ID	OJ991202_04.0421.C11
Gene No.	103746	Strand	-

Start	3800	End	4154
Name	OJ991202_04.0421.C11.o2.tm	Method	TBLASTX:Maize
Start	17	End	2083
GI	none	Score	96
Exons	17..127, 17..73, 19..96, 188..208, 200..292, 203..334, 210..335, 326..388, 331..387, 384..494, 385..495, 385..495, 446..499, 500..520, 505..555, 506..556, 532..588, 556..600, 561..590, 632..667, 636..668, 1959..2000, 1963..2001, 1965..2000, 1966..2001, 1980..2024, 2018..2083, 2021..2071, 2022..2072, 2023..2073		

Seq. No.	48682	Seq. ID	OJ991202_04.0421.C11
Gene No.	103746	Strand	-
Start	3800	End	4154
Name	OJ991202_04.0421.C11.o1.tm	Method	TBLASTX:Maize
Start	3766	End	4042
GI	none	Score	276
Exons	3766..3930, 3794..4042, 3795..4037		

Seq. No.	48682	Seq. ID	OJ991202_04.0421.C11
Gene No.	103746	Strand	-
Start	3800	End	4154
Name	OJ991202_04.0421.C11.o1.tc	Method	TBLASTX:Cress
Start	3800	End	4033
GI	none	Score	84
Exons	3800..3904, 3822..3881, 3929..4033, 3930..4004		

Seq. No.	48682	Seq. ID	OJ991202_04.0421.C11
Gene No.	103746	Strand	-
Start	3800	End	4154
Name	OJ991202_04.0421.C11.o2.np	Method	AAT/NAP
Start	3800	End	4154
GI	7320714	Score	231
Exons	3800..4154		
GI Descrip.	(AL161746) putative protein [Arabidopsis thaliana]		

Seq. No.	48682	Seq. ID	OJ991202_04.0421.C11
Gene No.	103746	Strand	-
Start	3800	End	4154
Name	OJ991202_04.0421.C11.o1.ts	Method	TBLASTX:Soybean
Start	3812	End	4042
GI	none	Score	94
Exons	3812..3919, 3813..3896, 3923..4042, 3924..4004		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103747	Strand	+
Start	4200	End	5718
Name	OJ991202_04.0421.C12.o2.gs	Method	GENSCAN
Start	4200	End	5473
GI	none	Score	.89
Exons	4200..4312, 4909..5473		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103747	Strand	+
Start	4200	End	5718
Name	OJ991202_04.0421.C12.o1.gp	Method	AAT/GAP
Start	5238	End	5718

GI	LIB3433-043-P1-K1-F7	Score	376
Exons	5238..5441, 5661..5718		
GI Descrip.	'2459448 1.0e-30 (AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]'		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103748	Strand	+
Start	6805	End	13552
Name	OJ991202_04.0421.C12.o2.np	Method	AAT/NAP
Start	6709	End	12683
GI	2342730	Score	1092
Exons	6709..6874, 7836..7952, 8041..8173, 8302..8413, 8873..9068, 9379..9450, 9887..9970, 10551..10703, 11278..11403, 11589..11730, 12535..12683		
GI Descrip.	(AC002341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103748	Strand	+
Start	6805	End	13552
Name	OJ991202_04.0421.C12.o4.gs	Method	GENSCAN
Start	6805	End	13552
GI	none	Score	.67
Exons	6805..6874, 7836..7952, 8286..8398, 8641..8684, 8912..9068, 9379..9450, 10551..10590, 10840..10919, 11278..11403, 11626..11718, 13211..13289, 13298..13462, 13521..13552		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103749	Strand	+
Start	13828	End	15562
Name	OJ991202_04.0421.C12.o3.np	Method	AAT/NAP
Start	13828	End	15559
GI	2342728	Score	416
Exons	13828..14300, 14962..15175, 15203..15559		
GI Descrip.	(AC002341) putative cysteine proteinase [Arabidopsis thaliana]		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103749	Strand	+
Start	13828	End	15562
Name	OJ991202_04.0421.C12.o5.gs	Method	GENSCAN
Start	13828	End	15562
GI	none	Score	1
Exons	13828..14302, 14958..15562		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103750	Strand	-
Start	1	End	9693
Name	OJ991202_04.0421.C12.o1.np	Method	AAT/NAP
Start	1	End	6430
GI	2462745	Score	255
Exons	1..358, 2203..2596, 6325..6430		
GI Descrip.	(AC002292) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103750	Strand	-
Start	1	End	9693
Name	OJ991202_04.0421.C12.o1.gs	Method	GENSCAN
Start	28	End	2897

GI	none	Score	.98
Exons	28..55, 110..291, 2154..2897		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103750	Strand	-
Start	1	End	9693
Name	OJ991202_04.0421.C12.o3.tm	Method	TBLASTX:Maize
Start	112	End	2531
GI	none	Score	73
Exons	112..171, 247..300, 2193..2318, 2194..2298, 2376..2477, 2478..2531		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103750	Strand	-
Start	1	End	9693
Name	OJ991202_04.0421.C12.o1.tc	Method	TBLASTX:Cress
Start	121	End	9693
GI	none	Score	70
Exons	121..237, 2211..2312, 2236..2289, 2376..2480, 2493..2531, 9535..9693		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103750	Strand	-
Start	1	End	9693
Name	OJ991202_04.0421.C12.o2.ts	Method	TBLASTX:Soybean
Start	2208	End	2531
GI	none	Score	50
Exons	2208..2312, 2373..2480, 2499..2531		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103750	Strand	-
Start	1	End	9693
Name	OJ991202_04.0421.C12.o4.tm	Method	TBLASTX:Maize
Start	5274	End	5731
GI	none	Score	151
Exons	5274..5399, 5276..5434, 5276..5404, 5663..5731		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103750	Strand	-
Start	1	End	9693
Name	OJ991202_04.0421.C12.o3.gs	Method	GENSCAN
Start	5665	End	5925
GI	none	Score	.98
Exons	5665..5925		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103750	Strand	-
Start	1	End	9693
Name	OJ991202_04.0421.C12.o1.tm	Method	TBLASTX:Maize
Start	7829	End	8947
GI	none	Score	200
Exons	7829..7954, 7834..7953, 7847..7960, 7848..7958, 8034..8186, 8036..8176, 8293..8397, 8294..8398, 8300..8398, 8623..8682, 8639..8683, 8639..8683, 8640..8684, 8909..8947		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103751	Strand	

Start	13921	End	15529
Name	OJ991202_04.0421.C12.o1.tw	Method	TBLASTX:Wheat
Start	13921	End	15507
GI	none	Score	180
Exons	13921..14124, 13953..14120, 14238..14288, 14239..14289, 14950..15087, 14951..15115, 15374..15427, 15431..15502, 15439..15507		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103751	Strand	
Start	13921	End	15529
Name	OJ991202_04.0421.C12.o3.ts	Method	TBLASTX:Soybean
Start	13924	End	14301
GI	none	Score	164
Exons	13924..14118, 14227..14301		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103751	Strand	
Start	13921	End	15529
Name	OJ991202_04.0421.C12.o2.tc	Method	TBLASTX:Cress
Start	13927	End	15058
GI	none	Score	162
Exons	13927..14124, 13950..14120, 14226..14276, 14239..14301, 14962..15057, 14963..15058		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103751	Strand	
Start	13921	End	15529
Name	OJ991202_04.0421.C12.o2.tm	Method	TBLASTX:Maize
Start	13966	End	15529
GI	none	Score	98
Exons	13966..14118, 14239..14292, 14912..15085, 14959..15087, 14960..15115, 15096..15140, 15146..15190, 15236..15358, 15382..15528, 15383..15529		

Seq. No.	48683	Seq. ID	OJ991202_04.0421.C12
Gene No.	103751	Strand	
Start	13921	End	15529
Name	OJ991202_04.0421.C12.o1.ts	Method	TBLASTX:Soybean
Start	14959	End	15508
GI	none	Score	109
Exons	14959..15057, 14960..15175, 15236..15358, 15383..15430, 15431..15508		

Seq. No.	48684	Seq. ID	OJ991202_04.0421.C13
Gene No.	103752	Strand	+
Start	929	End	2264
Name	OJ991202_04.0421.C13.o1.gs	Method	GENSCAN
Start	929	End	2264
GI	none	Score	.99
Exons	929..1403, 1657..2264		

Seq. No.	48684	Seq. ID	OJ991202_04.0421.C13
Gene No.	103752	Strand	+
Start	929	End	2264
Name	OJ991202_04.0421.C13.o1.np	Method	AAT/NAP
Start	947	End	2255

GI	4314384	Score	518
Exons	947..1403, 1657..2255		
GI Descrip.	(AC006232) putative cysteine proteinase [Arabidopsis thaliana]		

Seq. No.	48684	Seq. ID	OJ991202_04.0421.C13
Gene No.	103753	Strand	-
Start	4227	End	4859
Name	OJ991202_04.0421.C13.o1.gp	Method	AAT/GAP
Start	3968	End	4555
GI	uC-osrocyp025e03a1	Score	888
Exons	3968..4339, 4472..4555		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	48684	Seq. ID	OJ991202_04.0421.C13
Gene No.	103753	Strand	-
Start	4227	End	4859
Name	OJ991202_04.0421.C13.o2.gs	Method	GENSCAN
Start	4227	End	4859
GI	none	Score	.65
Exons	4227..4339, 4472..4859		

Seq. No.	48684	Seq. ID	OJ991202_04.0421.C13
Gene No.	103754	Strand	-
Start	9915	End	11210
Name	OJ991202_04.0421.C13.o1.ts	Method	TBLASTX:Soybean
Start	1031	End	2249
GI	none	Score	126
Exons	1031..1171, 1166..1231, 1337..1393, 1647..1766, 1761..1841, 1953..2048, 2130..2198, 2205..2249		

Seq. No.	48684	Seq. ID	OJ991202_04.0421.C13
Gene No.	103754	Strand	-
Start	9915	End	11210
Name	OJ991202_04.0421.C13.o1.tc	Method	TBLASTX:Cress
Start	1043	End	2255
GI	none	Score	165
Exons	1043..1252, 1337..1405, 1656..1841, 1950..2054, 2130..2198, 2214..2255		

Seq. No.	48684	Seq. ID	OJ991202_04.0421.C13
Gene No.	103754	Strand	-
Start	9915	End	11210
Name	OJ991202_04.0421.C13.o1.tm	Method	TBLASTX:Maize
Start	1157	End	2261
GI	none	Score	64
Exons	1157..1240, 1340..1405, 1656..1841, 1947..2054, 2133..2261		

Seq. No.	48684	Seq. ID	OJ991202_04.0421.C13
Gene No.	103754	Strand	-
Start	9915	End	11210
Name	OJ991202_04.0421.C13.o2.ts	Method	TBLASTX:Soybean
Start	2612	End	4596
GI	none	Score	93
Exons	2612..2740, 2613..2741, 2648..2740, 4216..4341, 4230..4340, 4462..4596, 4479..4595		

Seq. No.	48684	Seq. ID	OJ991202_04.0421.C13
Gene No.	103754	Strand	-
Start	9915	End	11210
Name	OJ991202_04.0421.C13.o2.tm	Method	TBLASTX:Maize
Start	4497	End	4650
GI	none	Score	143
Exons	4497..4595, 4498..4650, 4573..4650		

Seq. No.	48684	Seq. ID	OJ991202_04.0421.C13
Gene No.	103754	Strand	-
Start	9915	End	11210
Name	OJ991202_04.0421.C13.o2.np	Method	AAT/NAP
Start	9915	End	11210
GI	7452451	Score	1075
Exons	9915..10102, 10186..10706, 10791..11210		
GI Descrip.	hypothetical protein F28J12.200 - Arabidopsis thaliana gi|2832659|emb|CAA16734.1| (AL021710) hypothetical protein [Arabidopsis thaliana] gi|7268647|emb|CAB78856.1| (AL161548) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48685	Seq. ID	OJ991202_04.0421.C14
Gene No.	103755	Strand	-
Start	23	End	279
Name	OJ991202_04.0421.C14.o1.gs	Method	GENSCAN
Start	23	End	279
GI	none	Score	.45
Exons	23..279		

Seq. No.	48686	Seq. ID	OJ991202_04.0421.C23
Gene No.	103756	Strand	+
Start	1	End	79
Name	OJ991202_04.0421.C23.o1.np	Method	AAT/NAP
Start	1	End	79
GI	6983860	Score	115
Exons	1..79		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	48686	Seq. ID	OJ991202_04.0421.C23
Gene No.	103757	Strand	-
Start	638	End	1221
Name	OJ991202_04.0421.C23.o1.gs	Method	GENSCAN
Start	638	End	1221
GI	none	Score	.67
Exons	638..764, 795..1060, 1072..1221		

Seq. No.	48687	Seq. ID	OJ991202_04.0421.C27
Gene No.	103758	Strand	-
Start	317	End	766
Name	OJ991202_04.0421.C27.o1.gs	Method	GENSCAN
Start	317	End	766
GI	none	Score	.87
Exons	317..431, 506..766		

Seq. No.	48688	Seq. ID	OJ991202_04.0421.C29
Gene No.	103759	Strand	+
Start	1	End	1716

Name	OJ991202_04.0421.C29.o1.np	Method	AAT/NAP
Start	1	End	1716
GI	5852181	Score	129
Exons	1..24, 1453..1716		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	48688	Seq. ID	OJ991202_04.0421.C29
Gene No.	103760	Strand	-
Start	390	End	917
Name	OJ991202_04.0421.C29.o1.gs	Method	GENSCAN
Start	390	End	917
GI	none	Score	.91
Exons	390..635, 777..917		

Seq. No.	48689	Seq. ID	OJ991202_04.0421.C31
Gene No.	103761	Strand	-
Start	1	End	338
Name	OJ991202_04.0421.C31.o1.np	Method	AAT/NAP
Start	1	End	338
GI	6983860	Score	495
Exons	1..338		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	48689	Seq. ID	OJ991202_04.0421.C31
Gene No.	103761	Strand	-
Start	1	End	338
Name	OJ991202_04.0421.C31.o1.gs	Method	GENSCAN
Start	30	End	338
GI	none	Score	.95
Exons	30..338		

Seq. No.	48689	Seq. ID	OJ991202_04.0421.C31
Gene No.	103762	Strand	-
Start	611	End	1405
Name	OJ991202_04.0421.C31.o2.np	Method	AAT/NAP
Start	609	End	1405
GI	4512231	Score	1246
Exons	609..1405		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	48689	Seq. ID	OJ991202_04.0421.C31
Gene No.	103762	Strand	-
Start	611	End	1405
Name	OJ991202_04.0421.C31.o2.gs	Method	GENSCAN
Start	611	End	1405
GI	none	Score	.96
Exons	611..1405		

Seq. No.	48690	Seq. ID	OJ991202_04.0421.C33
Gene No.	103763	Strand	+
Start	341	End	484
Name	OJ991202_04.0421.C33.o1.gs	Method	GENSCAN
Start	341	End	484
GI	none	Score	.4
Exons	341..484		

Seq. No.	48690	Seq. ID	OJ991202_04.0421.C33
Gene No.	103764	Strand	-
Start	328	End	739
Name	OJ991202_04.0421.C33.o1.tm	Method	TBLASTX:Maize
Start	310	End	549
GI	none	Score	53
Exons	310..357, 324..518, 338..547,	338..532,	340..549, 409..549

Seq. No.	48690	Seq. ID	OJ991202_04.0421.C33
Gene No.	103764	Strand	-
Start	328	End	739
Name	OJ991202_04.0421.C33.o1.gp	Method	AAT/GAP
Start	328	End	739
GI	none	Score	793
Exons	328..739		

Seq. No.	48691	Seq. ID	OJ991202_04.0421.C35
Gene No.	103765	Strand	+
Start	1	End	772
Name	OJ991202_04.0421.C35.o1.np	Method	AAT/NAP
Start	1	End	772
GI	6721516	Score	431
Exons	1..262, 676..772		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	48691	Seq. ID	OJ991202_04.0421.C35
Gene No.	103766	Strand	-
Start	235	End	352
Name	OJ991202_04.0421.C35.o1.gs	Method	GENSCAN
Start	235	End	352
GI	none	Score	.87
Exons	235..352		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103767	Strand	+
Start	1	End	1786
Name	OJ991202_07.0421.C2.o1.np	Method	AAT/NAP
Start	1	End	1156
GI	7486934	Score	287
Exons	1..85, 197..299, 535..610, 1052..1156		
GI Descrip.	hypothetical protein T13D8.6 - Arabidopsis thaliana gi|3249066|gb|AAC24050.1| (AC004473) Similar to S. cerevisiae SIK1P protein gb|984964. ESTs gb|F15433 and gb|AA395158 come from this gene. [Arabidopsis thaliana]		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103767	Strand	+
Start	1	End	1786
Name	OJ991202_07.0421.C2.o1.gp	Method	AAT/GAP
Start	45	End	1355
GI	16547_1.R1084	Score	958
Exons	45..85, 197..299, 535..610, 1052..1355		
GI Descrip.	'3249066 3.0e-40 (AC004473) Similar to S. cerevisiae SIK1P protein gb_984964. ESTs gb_F15433 and gb_AA395158 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2

Gene No.	103767	Strand	+
Start	1	End	1786
Name	OJ991202_07.0421.C2.o1.gs	Method	GENSCAN
Start	197	End	1786
GI	none	Score	.52
Exons	197..299, 535..610, 763..827, 1302..1393, 1713..1786		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103768	Strand	+
Start	21344	End	23891
Name	OJ991202_07.0421.C2.o3.gs	Method	GENSCAN
Start	21344	End	23891
GI	none	Score	.47
Exons	21344..21756, 21828..21942, 22029..22172, 22244..22420, 23671..23771, 23807..23891		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103769	Strand	+
Start	32663	End	33439
Name	OJ991202_07.0421.C2.o5.gs	Method	GENSCAN
Start	32663	End	33439
GI	none	Score	.66
Exons	32663..32747, 33357..33439		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103770	Strand	+
Start	35374	End	41215
Name	OJ991202_07.0421.C2.o5.np	Method	AAT/NAP
Start	35374	End	41054
GI	4760370	Score	1982
Exons	35374..35557, 35818..35952, 37876..39267, 39345..39599, 39681..39803, 40078..40554, 40651..41054		
GI Descrip.	(AF082565) ATP dependent copper transporter [Arabidopsis thaliana] gi|4760380|gb|AAD29115.1| (AF091112) ATP dependent copper transporter [Arabidopsis thaliana] gi|6850337|gb|AAC79141.2| (AC002342) ATP dependent copper transporter (RAN1) [Arabidopsis thaliana]		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103770	Strand	+
Start	35374	End	41215
Name	OJ991202_07.0421.C2.o6.gs	Method	GENSCAN
Start	35578	End	40851
GI	none	Score	.95
Exons	35578..35952, 37876..39267, 39345..39599, 39681..39803, 40078..40554, 40651..40851		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103770	Strand	+
Start	35374	End	41215
Name	OJ991202_07.0421.C2.o5.gp	Method	AAT/GAP
Start	40429	End	41215
GI	18022_1.R1084	Score	1226
Exons	40429..40554, 40651..41215		
GI Descrip.	'4760370/gb|AAD29109.1|AF082565_1 2.0e-49 (AF082565) ATP dependent copper transporter [Arabidopsis thaliana] >gi_4760380_gb_AAD29115.1_ (AF091112) ATP dependent copper		

transporter [Arabidopsis thaliana]'

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103771	Strand	+
Start	41366	End	42674
Name	OJ991202_07.0421.C2.o6.np	Method	AAT/NAP
Start	41366	End	42674
GI	5777617	Score	71
Exons	41366..41391, 42562..42674		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103772	Strand	+
Start	42936	End	43385
Name	OJ991202_07.0421.C2.o7.gs	Method	GENSCAN
Start	42936	End	43385
GI	none	Score	.58
Exons	42936..43385		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103773	Strand	+
Start	43320	End	46415
Name	OJ991202_07.0421.C2.o7.np	Method	AAT/NAP
Start	43320	End	46229
GI	6179600	Score	643
Exons	43320..43441, 44445..44577, 44820..44896, 45410..45471, 45690..45808, 45945..46112, 46200..46229		
GI Descrip.	(AJ238697) GPX12Hv, glutathione peroxidase-like protein [Hordeum vulgare]		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103773	Strand	+
Start	43320	End	46415
Name	OJ991202_07.0421.C2.o6.gp	Method	AAT/GAP
Start	44281	End	46415
GI	5524_1.R1084	Score	1457
Exons	44281..44347, 44423..44577, 44820..44896, 45410..45471, 45690..45808, 45945..46112, 46200..46415		
GI Descrip.	'544437/sp|Q06652|GSHZ_CITSI 3.0e-77 GLUTATHIONE PEROXIDASE HOMOLOG (SALT-ASSOCIATED PROTEIN) >gi_296358_emb_CAA47018_ (X66377) CIT-SAP [Citrus sinensis]'		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103774	Strand	-
Start	2069	End	21234
Name	OJ991202_07.0421.C2.o2.gs	Method	GENSCAN
Start	2069	End	21234
GI	none	Score	.78
Exons	2069..2188, 2229..2351, 2432..3204, 3841..4207, 4741..4837, 5402..5550, 5783..5932, 6064..6213, 6253..6339, 6415..6483, 6559..6666, 6700..6783, 6911..6947, 7155..7303, 8487..8972, 9177..9320, 9395..9943, 10766..10960, 11660..11744, 12172..12794, 13535..13867, 14391..14472, 14692..14768, 15147..15251, 16871..17593, 18316..19097, 19914..21234		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103774	Strand	-

Start	2069	End	21234
Name	OJ991202_07.0421.C2.o2.gp	Method	AAT/GAP
Start	2207	End	2783
GI	uC-osflcyp176h09b1	Score	889
Exons	2207..2351, 2432..2783		
GI Descrip.	'2979554 7.0e-34 (AC003680) CDC4 like protein [Arabidopsis thaliana]'		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103774	Strand	-
Start	2069	End	21234
Name	OJ991202_07.0421.C2.o3.np	Method	AAT/NAP
Start	2981	End	17158
GI	2506985	Score	674
Exons	2981..3283, 3878..4137, 4549..4651, 4741..4837, 5402..5522, 5602..5686, 5783..5932, 6064..6180, 6253..6339, 6415..6483, 6559..6714, 6878..6947, 7155..7303, 8487..8537, 8646..8972, 17055..17158		
GI Descrip.	CDC4-LIKE PROTEIN gi|1580781 (M83822) beige-like protein [Homo sapiens]		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103774	Strand	-
Start	2069	End	21234
Name	OJ991202_07.0421.C2.o3.gp	Method	AAT/GAP
Start	13664	End	14975
GI	LIB3474-012-P1-K1-B5	Score	721
Exons	13664..13867, 14391..14472, 14692..14768, 14923..14975		
GI Descrip.	'2979554 3.0e-43 (AC003680) CDC4 like protein [Arabidopsis thaliana]'		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103775	Strand	-
Start	25134	End	31869
Name	OJ991202_07.0421.C2.o4.gs	Method	GENSCAN
Start	25134	End	31869
GI	none	Score	.85
Exons	25134..25289, 25405..25660, 25759..25874, 26552..26736, 27836..27974, 28536..28592, 28682..28902, 29807..29982, 30200..30386, 30475..30548, 31154..31384, 31482..31568, 31679..31869		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103775	Strand	-
Start	25134	End	31869
Name	OJ991202_07.0421.C2.o4.np	Method	AAT/NAP
Start	25142	End	25673
GI	231509	Score	585
Exons	25142..25289, 25405..25673		
GI Descrip.	ACTIN DEPOLYMERIZING FACTOR (ADF) gi|419809|pir||S30935 actin-depolymerizing factor - trumpet lily gi|22748|emb|CAA78483| (Z14110) actin depolymerizing factor [Lilium longiflorum]		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103775	Strand	-
Start	25134	End	31869

Name	OJ991202_07.0421.C2.o4.gp	Method	AAT/GAP
Start	25148	End	25826
GI	uC-osflm202112g10b1	Score	885
Exons	25148..25289, 25405..25670, 25759..25826		
GI Descrip.	'231509/sp|P30175|ADF_LILLO 1.0e-56 ACTIN DEPOLYMERIZING FACTOR (ADF) >gi_419809_pir__S30935 actin-depolymerizing factor - trumpet lily >gi_22748_emb_CAA78483_ (Z14110) actin depolymerizing factor [Lilium longiflorum]'		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o15.tm	Method	TBLASTX:Maize
Start	2435	End	2668
GI	none	Score	41
Exons	2435..2488, 2437..2481, 2441..2482, 2530..2652, 2534..2668, 2536..2652, 2589..2657		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o4.ts	Method	TBLASTX:Soybean
Start	2681	End	3901
GI	none	Score	208
Exons	2681..2941, 2682..2930, 3020..3211, 3042..3212, 3839..3901		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o3.tm	Method	TBLASTX:Maize
Start	2879	End	4592
GI	none	Score	84
Exons	2879..3001, 2882..2965, 2950..3099, 2957..3115, 2966..3211, 3009..3212, 3009..3212, 3154..3216, 3804..4253, 3839..4255, 4505..4591, 4509..4592		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o2.tw	Method	TBLASTX:Wheat
Start	3037	End	4096
GI	none	Score	240
Exons	3037..3099, 3038..3211, 3039..3212, 3839..4096, 3839..4084		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o6.ts	Method	TBLASTX:Soybean
Start	3911	End	4219
GI	none	Score	112
Exons	3911..4219, 3915..4055, 4004..4114		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o8.ts	Method	TBLASTX:Soybean
Start	4509	End	4836

GI	none	Score	137
Exons	4509..4658, 4520..4651, 4738..4836, 4739..4834		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o5.tm	Method	TBLASTX:Maize
Start	4593	End	5867
GI	none	Score	73
Exons	4593..4652, 4594..4644, 4598..4651, 4738..4836, 4739..4834, 4740..4844, 4752..4844, 5398..5523, 5399..5530, 5598..5678, 5603..5707, 5624..5680, 5643..5687, 5780..5866, 5780..5866, 5781..5867		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o5.ts	Method	TBLASTX:Soybean
Start	5398	End	5827
GI	none	Score	158
Exons	5398..5523, 5399..5530, 5399..5530, 5597..5707, 5640..5687, 5780..5827, 5781..5816		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o9.ts	Method	TBLASTX:Soybean
Start	5834	End	6486
GI	none	Score	79
Exons	5834..5932, 6061..6189, 6062..6181, 6253..6342, 6271..6342, 6415..6486, 6419..6484		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o5.tc	Method	TBLASTX:Cress
Start	6253	End	6781
GI	none	Score	67
Exons	6253..6342, 6257..6340, 6415..6486, 6416..6484, 6556..6660, 6560..6637, 6700..6777, 6704..6781		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o6.tm	Method	TBLASTX:Maize
Start	6296	End	7230
GI	none	Score	47
Exons	6296..6340, 6301..6342, 6405..6473, 6415..6486, 6416..6484, 6553..6642, 6558..6617, 6560..6616, 6700..6783, 6701..6784, 6880..6948, 6881..6970, 6882..6947, 7145..7225, 7152..7229, 7154..7228, 7156..7230		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o8.tc	Method	TBLASTX:Cress
Start	8862	End	9472

GI	none	Score	85
Exons	8862..8975, 8865..8972, 9147..9323, 9175..9321, 9389..9472		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o8.tm	Method	TBLASTX:Maize
Start	13520	End	13819
GI	none	Score	280
Exons	13520..13819, 13521..13778, 13640..13819		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o7.tc	Method	TBLASTX:Cress
Start	13527	End	13827
GI	none	Score	70
Exons	13527..13571, 13528..13575, 13529..13576, 13550..13822, 13572..13823, 13588..13827		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	25137	End	25783
GI	none	Score	221
Exons	25137..25295, 25139..25297, 25404..25670, 25405..25671, 25754..25783		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	25145	End	25671
GI	none	Score	131
Exons	25145..25285, 25146..25286, 25173..25289, 25402..25671, 25402..25434, 25404..25670		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o3.ts	Method	TBLASTX:Soybean
Start	25145	End	25671
GI	none	Score	141
Exons	25145..25297, 25146..25301, 25404..25670, 25405..25671		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o1.tw	Method	TBLASTX:Wheat
Start	25253	End	25671
GI	none	Score	59
Exons	25253..25300, 25253..25297, 25404..25670, 25405..25671		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723

Name	OJ991202_07.0421.C2.o10.ts	Method	TBLASTX:Soybean
Start	27392	End	28824
GI	none	Score	81
Exons	27392..27454, 27627..27713, 27628..27729, 27629..27754, 27652..27702, 27652..27699, 27831..27971, 27834..27896, 27834..27899, 27849..27896, 27897..27971, 27915..27977, 27927..27980, 28533..28646, 28533..28655, 28537..28647, 28737..28820, 28756..28824		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o9.tm	Method	TBLASTX:Maize
Start	27640	End	28821
GI	none	Score	82
Exons	27640..27699, 27652..27699, 27661..27729, 27662..27721, 27834..27977, 27835..27972, 27836..27976, 27840..27971, 28533..28655, 28536..28667, 28726..28821, 28728..28820		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o7.tm	Method	TBLASTX:Maize
Start	29725	End	30262
GI	none	Score	357
Exons	29725..29982, 29727..29921, 30198..30260, 30199..30261, 30200..30262		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o12.ts	Method	TBLASTX:Soybean
Start	30304	End	31383
GI	none	Score	77
Exons	30304..30393, 30305..30376, 30464..30529, 30527..30550, 31168..31383, 31172..31381		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o16.tm	Method	TBLASTX:Maize
Start	30338	End	30560
GI	none	Score	79
Exons	30338..30394, 30339..30401, 30339..30401, 30472..30555, 30473..30553, 30473..30559, 30474..30560		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o4.tm	Method	TBLASTX:Maize
Start	31248	End	31835
GI	none	Score	159
Exons	31248..31385, 31249..31386, 31249..31386, 31482..31568, 31482..31562, 31484..31567, 31678..31821, 31679..31810, 31683..31811, 31716..31835, 31717..31833		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2

Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o14.ts	Method	TBLASTX:Soybean
Start	35824	End	38121
GI	none	Score	74
Exons	35824..35958, 37885..37956, 37942..38118, 37945..38121		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o6.tc	Method	TBLASTX:Cress
Start	37969	End	40500
GI	none	Score	84
Exons	37969..38079, 39157..39285, 39447..39587, 39470..39586, 39680..39760, 39681..39761, 40315..40500		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o11.ts	Method	TBLASTX:Soybean
Start	38661	End	38861
GI	none	Score	265
Exons	38661..38714, 38662..38859, 38663..38854, 38671..38856, 38769..38861		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o3.tc	Method	TBLASTX:Cress
Start	38817	End	39129
GI	none	Score	307
Exons	38817..39128, 38818..39129		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o2.tm	Method	TBLASTX:Maize
Start	38914	End	39417
GI	none	Score	568
Exons	38914..39267, 38916..39269, 38923..39267, 38943..39281, 39348..39410, 39352..39417		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o13.ts	Method	TBLASTX:Soybean
Start	38977	End	39186
GI	none	Score	214
Exons	38977..39186, 38982..39173		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o2.ts	Method	TBLASTX:Soybean
Start	39189	End	40131
GI	none	Score	102
Exons	39189..39284, 39202..39282, 39340..39498, 39341..39601,		

39344..39601, 39345..39602, 39680..39778, 39681..39806,
40075..40131, 40077..40130

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o12.tm	Method	TBLASTX:Maize
Start	39417	End	39605
GI	none	Score	80
Exons	39417..39599, 39418..39477, 39419..39604, 39420..39605		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o13.tm	Method	TBLASTX:Maize
Start	39756	End	40301
GI	none	Score	68
Exons	39756..39806, 40064..40270, 40067..40270, 40072..40299, 40075..40275, 40077..40283, 40077..40301		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o1.ts	Method	TBLASTX:Soybean
Start	40158	End	41030
GI	none	Score	260
Exons	40158..40493, 40159..40554, 40627..40842, 40652..40735, 40653..40841, 40793..40849, 40824..41027, 40826..41026, 40833..41030		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o14.tm	Method	TBLASTX:Maize
Start	40318	End	40776
GI	none	Score	149
Exons	40318..40554, 40666..40776, 40668..40775		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o2.tc	Method	TBLASTX:Cress
Start	40627	End	41056
GI	none	Score	235
Exons	40627..40830, 40638..40835, 40818..41027, 40826..41056		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o11.tm	Method	TBLASTX:Maize
Start	40777	End	41041
GI	none	Score	96
Exons	40777..40842, 40777..40839, 40779..40841, 40824..41024, 40826..41041		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-

Start	44298	End	46723
Name	OJ991202_07.0421.C2.o8.gs	Method	GENSCAN
Start	44298	End	46723
GI	none	Score	.73
Exons	44298..44689, 44691..44851, 45973..46045, 46663..46723		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o10.tm	Method	TBLASTX:Maize
Start	44461	End	46232
GI	none	Score	41
Exons	44461..44484, 44499..44579, 44813..44905, 44814..44894, 44817..44909, 44818..44910, 45406..45471, 45411..45497, 45688..45810, 45689..45811, 45937..46083, 45937..46095, 45942..46112, 45944..46111, 46101..46136, 46178..46231, 46197..46232		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o4.tc	Method	TBLASTX:Cress
Start	44813	End	46220
GI	none	Score	105
Exons	44813..44905, 44814..44894, 45411..45497, 45688..45810, 45689..45811, 45937..46059, 45937..46110, 45942..46112, 45944..46111, 46182..46220		

Seq. No.	48692	Seq. ID	OJ991202_07.0421.C2
Gene No.	103776	Strand	-
Start	44298	End	46723
Name	OJ991202_07.0421.C2.o7.ts	Method	TBLASTX:Soybean
Start	44813	End	46220
GI	none	Score	101
Exons	44813..44905, 44814..44894, 45411..45464, 45688..45810, 45689..45811, 45693..45827, 45940..46059, 45941..46111, 45942..46115, 45945..46112, 46182..46220		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103777	Strand	-
Start	1596	End	4435
Name	OJ991202_07.0421.C4.o1.np	Method	AAT/NAP
Start	1596	End	4435
GI	7380882	Score	259
Exons	1596..1689, 1909..2759, 4408..4435		
GI Descrip.	(AB033758) limonoid UDP-glucosyltransferase [Citrus unshiu]		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103777	Strand	-
Start	1596	End	4435
Name	OJ991202_07.0421.C4.o2.gs	Method	GENSCAN
Start	1972	End	4409
GI	none	Score	.8
Exons	1972..2202, 2347..3614, 4075..4133, 4351..4409		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103778	Strand	-

Start	6529	End	7946
Name	OJ991202_07.0421.C4.o3.gs	Method	GENSCAN
Start	6529	End	7920
GI	none	Score	1
Exons	6529..7920		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103778	Strand	-
Start	6529	End	7946
Name	OJ991202_07.0421.C4.o2.np	Method	AAT/NAP
Start	6532	End	7946
GI	6226510	Score	819
Exons	6532..7946		
GI Descrip.	ZEATIN O-GLUCOSYLTRANSFERASE (ZEATIN O-BETA-D-GLUCOSYLTRANSFERASE) gi|4140691 (AF101972) zeatin O-glucosyltransferase [Phaseolus lunatus]		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103779	Strand	-
Start	8817	End	10718
Name	OJ991202_07.0421.C4.o4.gs	Method	GENSCAN
Start	8817	End	10718
GI	none	Score	.4
Exons	8817..9005, 9939..10074, 10253..10260, 10481..10556, 10663..10718		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103780	Strand	-
Start	11177	End	11756
Name	OJ991202_07.0421.C4.o2.tm	Method	TBLASTX:Maize
Start	1935	End	11465
GI	none	Score	187
Exons	1935..1985, 2023..2232, 2024..2242, 6530..6817, 6535..6816, 11171..11464, 11178..11465		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103780	Strand	-
Start	11177	End	11756
Name	OJ991202_07.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	1944	End	11576
GI	none	Score	52
Exons	1944..1985, 1945..1986, 2023..2352, 2024..2353, 6528..6632, 6530..6928, 6535..6927, 11174..11575, 11178..11576		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103780	Strand	-
Start	11177	End	11756
Name	OJ991202_07.0421.C4.o1.tc	Method	TBLASTX:Cress
Start	2158	End	11755
GI	none	Score	87
Exons	2158..2352, 2219..2356, 2455..2628, 2456..2602, 6733..6951, 6794..6952, 7018..7164, 11381..11599, 11442..11600, 11666..11755		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103780	Strand	-
Start	11177	End	11756
Name	OJ991202_07.0421.C4.o1.ts	Method	TBLASTX:Soybean

Start	2167	End	11755
GI	none	Score	81
Exons	2167..2352, 2219..2353, 2455..2601, 2462..2599, 6742..6963, 6794..6952, 7018..7218, 7021..7167, 11390..11611, 11442..11600, 11666..11740, 11666..11755		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103780	Strand	-
Start	11177	End	11756
Name	OJ991202_07.0421.C4.o4.tm	Method	TBLASTX:Maize
Start	2248	End	11755
GI	none	Score	80
Exons	2248..2349, 2248..2352, 2249..2353, 2371..2517, 2448..2489, 2455..2517, 6823..6969, 6823..6993, 7018..7083, 7024..7083, 11471..11659, 11471..11641, 11660..11731, 11666..11755		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103780	Strand	-
Start	11177	End	11756
Name	OJ991202_07.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	2519	End	7563
GI	none	Score	99
Exons	2519..2608, 2521..2607, 2590..2874, 2648..2875, 2896..2979, 2911..3012, 7088..7162, 7090..7170, 7091..7171, 7190..7546, 7201..7563, 7201..7563		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103780	Strand	-
Start	11177	End	11756
Name	OJ991202_07.0421.C4.o3.tm	Method	TBLASTX:Maize
Start	3013	End	7884
GI	none	Score	61
Exons	3013..3267, 3089..3205, 3175..3300, 3269..3322, 3274..3336, 7564..7647, 7564..7653, 7702..7884, 7703..7753, 7805..7882		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103780	Strand	-
Start	11177	End	11756
Name	OJ991202_07.0421.C4.o5.gs	Method	GENSCAN
Start	11177	End	11698
GI	none	Score	.94
Exons	11177..11698		

Seq. No.	48693	Seq. ID	OJ991202_07.0421.C4
Gene No.	103780	Strand	-
Start	11177	End	11756
Name	OJ991202_07.0421.C4.o3.np	Method	AAT/NAP
Start	11180	End	11756
GI	6226511	Score	458
Exons	11180..11756		
GI Descrip.	ZEATIN O-XYLOSYLTRANSFERASE (ZEATIN O-BETA-D-XYLOSYLTRANSFERASE) gi|5802783|gb|AAD51778.1|AF116858_1 (AF116858) zeatin O-xylosyltransferase [Phaseolus vulgaris]		

Seq. No.	48694	Seq. ID	OJ991202_07.0421.C5
Gene No.	103781	Strand	-
Start	1	End	423

Name	OJ991202_07.0421.C5.o1.np	Method	AAT/NAP
Start	1	End	423
GI	6226510	Score	209
Exons	1..423		
GI Descrip.	ZEATIN O-GLUCOSYLTRANSFERASE (ZEATIN O-BETA-D-GLUCOSYLTRANSFERASE) gi|4140691 (AF101972) zeatin O-glucosyltransferase [Phaseolus lunatus]		

Seq. No.	48694	Seq. ID	OJ991202_07.0421.C5
Gene No.	103781	Strand	-
Start	1	End	423
Name	OJ991202_07.0421.C5.o1.gs	Method	GENSCAN
Start	29	End	408
GI	none	Score	.78
Exons	29..408		

Seq. No.	48694	Seq. ID	OJ991202_07.0421.C5
Gene No.	103782	Strand	-
Start	1435	End	1633
Name	OJ991202_07.0421.C5.o2.gs	Method	GENSCAN
Start	1435	End	1633
GI	none	Score	.84
Exons	1435..1495, 1560..1633		

Seq. No.	48694	Seq. ID	OJ991202_07.0421.C5
Gene No.	103783	Strand	-
Start	4549	End	5481
Name	OJ991202_07.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	40	End	372
GI	none	Score	56
Exons	40..132, 190..372, 191..241, 293..370		

Seq. No.	48694	Seq. ID	OJ991202_07.0421.C5
Gene No.	103783	Strand	-
Start	4549	End	5481
Name	OJ991202_07.0421.C5.o3.gs	Method	GENSCAN
Start	4549	End	5481
GI	none	Score	.5
Exons	4549..4689, 4777..4802, 4968..5481		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103784	Strand	+
Start	2420	End	3274
Name	OJ991202_07.0421.C6.o2.gs	Method	GENSCAN
Start	2420	End	3274
GI	none	Score	.66
Exons	2420..2701, 2713..2787, 3113..3274		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103784	Strand	+
Start	2420	End	3274
Name	OJ991202_07.0421.C6.o1.np	Method	AAT/NAP
Start	2610	End	3018
GI	7340868	Score	193
Exons	2610..3018		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103785	Strand	+
Start	6975	End	10572
Name	OJ991202_07.0421.C6.o4.gs	Method	GENSCAN
Start	6975	End	10068
GI	none	Score	.92
Exons	6975..7043, 7914..8022, 8177..8297, 8609..8662, 8917..8920, 8962..10068		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103785	Strand	+
Start	6975	End	10572
Name	OJ991202_07.0421.C6.o2.np	Method	AAT/NAP
Start	8003	End	10572
GI	7486116	Score	522
Exons	8003..8129, 9098..10005, 10492..10572		
GI Descrip.	hypothetical protein F25E4.190 - Arabidopsis thaliana gi|7267857|emb|CAB78200.1| (AL161532) putative protein [Arabidopsis thaliana] gi|7321054|emb|CAB82162.1| (AL050399) putative protein [Arabidopsis thaliana]		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103785	Strand	+
Start	6975	End	10572
Name	OJ991202_07.0421.C6.o1.gp	Method	AAT/GAP
Start	8066	End	9306
GI	4714587	Score	856
Exons	8066..8176, 8962..9306		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103785	Strand	+
Start	6975	End	10572
Name	OJ991202_07.0421.C6.o2.gp	Method	AAT/GAP
Start	9553	End	10336
GI	4714588	Score	1287
Exons	9553..10129, 10213..10336		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103786	Strand	+
Start	13456	End	17876
Name	OJ991202_07.0421.C6.o3.np	Method	AAT/NAP
Start	13456	End	17011
GI	6721512	Score	109
Exons	13456..13493, 15137..15278, 15306..15440, 15483..15519, 15632..15671, 16976..17011		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103786	Strand	+
Start	13456	End	17876
Name	OJ991202_07.0421.C6.o6.gs	Method	GENSCAN
Start	13719	End	13892
GI	none	Score	.44
Exons	13719..13892		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103786	Strand	+

Start	13456	End	17876
Name	OJ991202_07.0421.C6.o7.gs	Method	GENSCAN
Start	14896	End	17876
GI	none	Score	.45
Exons	14896..14968, 15001..15278, 15327..15436, 15483..15519, 17469..17518, 17657..17876		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103787	Strand	+
Start	18472	End	18562
Name	OJ991202_07.0421.C6.o3.gp	Method	AAT/GAP
Start	18472	End	18562
GI	5867_1.R1084	Score	133
Exons	18472..18562		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103788	Strand	+
Start	19167	End	19398
Name	OJ991202_07.0421.C6.o8.gs	Method	GENSCAN
Start	19167	End	19398
GI	none	Score	.72
Exons	19167..19218, 19310..19398		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103789	Strand	-
Start	12	End	851
Name	OJ991202_07.0421.C6.o1.gs	Method	GENSCAN
Start	12	End	851
GI	none	Score	.93
Exons	12..851		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103790	Strand	-
Start	3867	End	6518
Name	OJ991202_07.0421.C6.o3.gs	Method	GENSCAN
Start	3867	End	6518
GI	none	Score	.9
Exons	3867..4025, 4298..4433, 4509..4857, 5603..5657, 6186..6518		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103791	Strand	-
Start	11969	End	13435
Name	OJ991202_07.0421.C6.o5.gs	Method	GENSCAN
Start	11969	End	13435
GI	none	Score	.71
Exons	11969..12562, 12731..13435		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103792	Strand	-
Start	21294	End	24234

Name	OJ991202_07.0421.C6.o3.tm	Method	TBLASTX:Maize
Start	9001	End	9309
GI	none	Score	114
Exons	9001..9225, 9002..9211, 9004..9213, 9206..9307, 9218..9301, 9226..9309		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103792	Strand	-
Start	21294	End	24234
Name	OJ991202_07.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	9414	End	10050
GI	none	Score	497
Exons	9414..10004, 9415..10050, 9712..10029		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103792	Strand	-
Start	21294	End	24234
Name	OJ991202_07.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	9532	End	10002
GI	none	Score	61
Exons	9532..9600, 9589..10002, 9600..9980		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103792	Strand	-
Start	21294	End	24234
Name	OJ991202_07.0421.C6.o9.gs	Method	GENSCAN
Start	21294	End	23883
GI	none	Score	.83
Exons	21294..21362, 21460..21834, 21921..22595, 23875..23883		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103792	Strand	-
Start	21294	End	24234
Name	OJ991202_07.0421.C6.o4.np	Method	AAT/NAP
Start	21297	End	24234
GI	2130085	Score	535
Exons	21297..21362, 21460..21834, 21921..22367, 24202..24234		
GI Descrip.	transcriptional activator Ra - rice gi|1086540 (U39860) Ra [Oryza sativa]		

Seq. No.	48695	Seq. ID	OJ991202_07.0421.C6
Gene No.	103792	Strand	-
Start	21294	End	24234
Name	OJ991202_07.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	21300	End	21630
GI	none	Score	67
Exons	21300..21380, 21301..21363, 21460..21573, 21464..21562, 21568..21621, 21568..21630		

Seq. No.	48696	Seq. ID	OJ991202_06.0421.C1
Gene No.	103793	Strand	+
Start	1	End	880
Name	OJ991202_06.0421.C1.o1.np	Method	AAT/NAP
Start	1	End	880
GI	7106512	Score	733
Exons	1..38, 249..880		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	48696	Seq. ID	OJ991202_06.0421.C1
Gene No.	103793	Strand	+
Start	1	End	880
Name	OJ991202_06.0421.C1.o1.gs	Method	GENSCAN
Start	249	End	807
GI	none	Score	.68
Exons	249..807		

Seq. No.	48697	Seq. ID	OJ991202_06.0421.C4
Gene No.	103794	Strand	+
Start	411	End	3433
Name	OJ991202_06.0421.C4.o1.gs	Method	GENSCAN
Start	411	End	3433
GI	none	Score	.77
Exons	411..475, 1292..1370, 1510..1550, 2161..2290, 2358..2652, 2681..2970, 2990..3433		

Seq. No.	48697	Seq. ID	OJ991202_06.0421.C4
Gene No.	103794	Strand	+
Start	411	End	3433
Name	OJ991202_06.0421.C4.o1.np	Method	AAT/NAP
Start	2293	End	3415
GI	4680501	Score	383
Exons	2293..3415		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	48697	Seq. ID	OJ991202_06.0421.C4
Gene No.	103795	Strand	-
Start	4352	End	5764
Name	OJ991202_06.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	2365	End	3412
GI	none	Score	81
Exons	2365..2511, 2511..2546, 2746..2817, 2857..2979, 2968..3102, 2969..3112, 3140..3412		

Seq. No.	48697	Seq. ID	OJ991202_06.0421.C4
Gene No.	103795	Strand	-
Start	4352	End	5764
Name	OJ991202_06.0421.C4.o1.ts	Method	TBLASTX:Soybean
Start	2746	End	3412
GI	none	Score	64
Exons	2746..2817, 2857..2979, 2931..2984, 2968..3102, 2969..3109, 3140..3412, 3172..3390		

Seq. No.	48697	Seq. ID	OJ991202_06.0421.C4
Gene No.	103795	Strand	-
Start	4352	End	5764
Name	OJ991202_06.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	3011	End	3412
GI	none	Score	78
Exons	3011..3106, 3104..3313, 3317..3412		

Seq. No.	48697	Seq. ID	OJ991202_06.0421.C4
Gene No.	103795	Strand	-
Start	4352	End	5764

Name	OJ991202_06.0421.C4.o1.tc	Method	TBLASTX:Cress
Start	3125	End	3412
GI	none	Score	201
Exons	3125..3412, 3172..3378		

Seq. No.	48697	Seq. ID	OJ991202_06.0421.C4
Gene No.	103795	Strand	-
Start	4352	End	5764
Name	OJ991202_06.0421.C4.o2.gs	Method	GENSCAN
Start	4352	End	5764
GI	none	Score	.67
Exons	4352..4708, 5564..5764		

Seq. No.	48698	Seq. ID	OJ991202_06.0421.C5
Gene No.	103796	Strand	+
Start	635	End	2871
Name	OJ991202_06.0421.C5.o1.gs	Method	GENSCAN
Start	635	End	2024
GI	none	Score	.44
Exons	635..739, 891..1968, 2014..2024		

Seq. No.	48698	Seq. ID	OJ991202_06.0421.C5
Gene No.	103796	Strand	+
Start	635	End	2871
Name	OJ991202_06.0421.C5.o1.np	Method	AAT/NAP
Start	860	End	2871
GI	6862923	Score	573
Exons	860..1975, 2778..2871		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	48698	Seq. ID	OJ991202_06.0421.C5
Gene No.	103797	Strand	-
Start	4900	End	5259
Name	OJ991202_06.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	920	End	1973
GI	none	Score	167
Exons	920..1078, 924..1082, 954..1085, 1101..1172, 1404..1646, 1481..1660, 1698..1973, 1733..1972		

Seq. No.	48698	Seq. ID	OJ991202_06.0421.C5
Gene No.	103797	Strand	-
Start	4900	End	5259
Name	OJ991202_06.0421.C5.o2.ts	Method	TBLASTX:Soybean
Start	921	End	1337
GI	none	Score	171
Exons	921..1082, 938..1081, 1101..1172, 1293..1337		

Seq. No.	48698	Seq. ID	OJ991202_06.0421.C5
Gene No.	103797	Strand	-
Start	4900	End	5259
Name	OJ991202_06.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	1280	End	1562
GI	none	Score	71
Exons	1280..1342, 1293..1379, 1401..1562, 1407..1544		

Seq. No.	48698	Seq. ID	OJ991202_06.0421.C5
Gene No.	103797	Strand	-

Start	4900	End	5259
Name	OJ991202_06.0421.C5.o1.tc	Method	TBLASTX:Cress
Start	1404	End	1673
GI	none	Score	228
Exons	1404..1646, 1404..1673		

Seq. No.	48698	Seq. ID	OJ991202_06.0421.C5
Gene No.	103797	Strand	-
Start	4900	End	5259
Name	OJ991202_06.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	1404	End	1976
GI	none	Score	256
Exons	1404..1646, 1472..1660, 1698..1976, 1730..1975		

Seq. No.	48698	Seq. ID	OJ991202_06.0421.C5
Gene No.	103797	Strand	-
Start	4900	End	5259
Name	OJ991202_06.0421.C5.o2.tw	Method	TBLASTX:Wheat
Start	1584	End	1955
GI	none	Score	67
Exons	1584..1646, 1710..1865, 1893..1955		

Seq. No.	48698	Seq. ID	OJ991202_06.0421.C5
Gene No.	103797	Strand	-
Start	4900	End	5259
Name	OJ991202_06.0421.C5.o2.tc	Method	TBLASTX:Cress
Start	1677	End	1955
GI	none	Score	185
Exons	1677..1955, 1709..1864		

Seq. No.	48698	Seq. ID	OJ991202_06.0421.C5
Gene No.	103797	Strand	-
Start	4900	End	5259
Name	OJ991202_06.0421.C5.o2.gs	Method	GENSCAN
Start	4900	End	5259
GI	none	Score	.89
Exons	4900..5259		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103798	Strand	+
Start	40466	End	41037
Name	OJ991202_06.0421.C6.o6.gs	Method	GENSCAN
Start	40466	End	41037
GI	none	Score	.48
Exons	40466..40565, 40928..41037		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103798	Strand	+
Start	40466	End	41037
Name	OJ991202_06.0421.C6.o5.gp	Method	AAT/GAP
Start	40772	End	40877
GI	5816518	Score	160
Exons	40772..40877		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6

Gene No.	103799	Strand	+
Start	45564	End	50195
Name	OJ991202_06.0421.C6.o8.gs	Method	GENSCAN
Start	45564	End	50195
GI	none	Score	.6
Exons	45564..45861, 46292..46523, 46622..46670, 47726..47800, 48270..48379, 48916..49025, 50116..50195		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103799	Strand	+
Start	45564	End	50195
Name	OJ991202_06.0421.C6.o8.gp	Method	AAT/GAP
Start	46068	End	46768
GI	5816518	Score	157
Exons	46068..46173, 46737..46768		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103800	Strand	-
Start	109	End	4608
Name	OJ991202_06.0421.C6.o1.gs	Method	GENSCAN
Start	109	End	4608
GI	none	Score	.42
Exons	109..428, 1789..1858, 3897..3958, 4088..4608		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103801	Strand	-
Start	10538	End	12998
Name	OJ991202_06.0421.C6.o1.np	Method	AAT/NAP
Start	10538	End	12998
GI	4680500	Score	345
Exons	10538..11191, 12951..12998		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103801	Strand	-
Start	10538	End	12998
Name	OJ991202_06.0421.C6.o2.np	Method	AAT/NAP
Start	10538	End	12989
GI	4680500	Score	346
Exons	10538..11191, 12951..12989		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103801	Strand	-
Start	10538	End	12998
Name	OJ991202_06.0421.C6.o1.gp	Method	AAT/GAP
Start	11204	End	11727
GI	uC-osf1M202047c12b1	Score	949
Exons	11204..11727		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103801	Strand	-
Start	10538	End	12998

Name	OJ991202_06.0421.C6.o2.gp	Method	AAT/GAP
Start	12677	End	12846
GI	23897_1.R1084	Score	229
Exons	12677..12846		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 5.0e-58 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103802	Strand	-
Start	14494	End	21550
Name	OJ991202_06.0421.C6.o3.np	Method	AAT/NAP
Start	13415	End	15517
GI	82523	Score	192
Exons	13415..13519, 13884..14068, 15490..15517		
GI Descrip.	hypothetical 29K protein (trnH-trnV intergenic region) - rice chloroplast gi|12034|emb|CAA33940| (X15901) ORF249 [Oryza sativa] gi|12068|emb|CAA33921| (X15901) ORF249 [Oryza sativa] gi|226655|prf||1603356CF ORF 249 [Oryza sativa]		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103802	Strand	-
Start	14494	End	21550
Name	OJ991202_06.0421.C6.o4.np	Method	AAT/NAP
Start	14377	End	15935
GI	6862923	Score	549
Exons	14377..15529, 15874..15935		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103802	Strand	-
Start	14494	End	21550
Name	OJ991202_06.0421.C6.o5.np	Method	AAT/NAP
Start	14473	End	15543
GI	4680338	Score	482
Exons	14473..15543		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103802	Strand	-
Start	14494	End	21550
Name	OJ991202_06.0421.C6.o3.gs	Method	GENSCAN
Start	14494	End	21550
GI	none	Score	.75
Exons	14494..15657, 16830..16907, 18184..18699, 18913..19095, 19916..20065, 21037..21065, 21523..21550		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103802	Strand	-
Start	14494	End	21550
Name	OJ991202_06.0421.C6.o3.gp	Method	AAT/GAP
Start	14572	End	15290
GI	4880967	Score	1353
Exons	14572..15290		
GI Descrip.	2642158 2.0e-12 (AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6

Gene No.	103803	Strand	-
Start	22962	End	28888
Name	OJ991202_06.0421.C6.o4.gs	Method	GENSCAN
Start	22962	End	28888
GI	none	Score	.41
Exons	22962..23230, 23323..23382, 23577..24072, 24142..28245, 28309..28524, 28790..28888		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103803	Strand	-
Start	22962	End	28888
Name	OJ991202_06.0421.C6.o6.np	Method	AAT/NAP
Start	23086	End	27897
GI	6466937	Score	2275
Exons	23086..23194, 23695..27897		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103804	Strand	-
Start	31442	End	37434
Name	OJ991202_06.0421.C6.o8.np	Method	AAT/NAP
Start	31361	End	32532
GI	6862923	Score	573
Exons	31361..32532		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103804	Strand	-
Start	31442	End	37434
Name	OJ991202_06.0421.C6.o5.gs	Method	GENSCAN
Start	31442	End	37434
GI	none	Score	.64
Exons	31442..32119, 32251..32331, 32366..32481, 32636..32830, 34125..34177, 34582..34866, 36015..36124, 36943..37176, 37300..37434		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103805	Strand	-
Start	40535	End	40763
Name	OJ991202_06.0421.C6.o4.gp	Method	AAT/GAP
Start	40535	End	40763
GI	3761181	Score	349
Exons	40535..40763		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103806	Strand	-
Start	41955	End	46059
Name	OJ991202_06.0421.C6.o7.gs	Method	GENSCAN
Start	41955	End	45462
GI	none	Score	.72
Exons	41955..42028, 42248..42355, 42550..42759, 43132..43354, 43401..44286, 44922..45075, 45156..45462		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6

Gene No.	103806	Strand	-
Start	41955	End	46059
Name	OJ991202_06.0421.C6.o9.np	Method	AAT/NAP
Start	42981	End	45933
GI	7106512	Score	2169
Exons	42981..43354, 43409..45800, 45874..45933		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103806	Strand	-
Start	41955	End	46059
Name	OJ991202_06.0421.C6.o7.gp	Method	AAT/GAP
Start	45831	End	46059
GI	3761181	Score	347
Exons	45831..46059		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103807	Strand	-
Start	51462	End	52487
Name	OJ991202_06.0421.C6.o9.gs	Method	GENSCAN
Start	51462	End	52487
GI	none	Score	.61
Exons	51462..51799, 52017..52362, 52401..52487		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	10520	End	51750
GI	none	Score	50
Exons	10520..10810, 10554..10802, 10847..11104, 10875..11105, 14458..14748, 14764..15042, 14786..14950, 31478..31537, 31556..31729, 31563..31721, 31745..32023, 31772..31990, 31854..32021, 51480..51740, 51544..51750		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o2.tc	Method	TBLASTX:Cress
Start	10520	End	51765
GI	none	Score	79
Exons	10520..10810, 10586..10810, 14440..14754, 14510..14749, 14512..14751, 31436..31558, 31553..31729, 51465..51758, 51550..51765		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o4.tm	Method	TBLASTX:Maize
Start	10520	End	51750
GI	none	Score	72
Exons	10520..10810, 10535..10810, 10845..11099, 10847..11104, 11414..11539, 14479..14748, 14500..14748, 14764..15042, 14786..14950, 15085..15156, 15256..15303, 15373..15522,		

31467..31529, 31556..31729, 31563..31721, 31739..31993,
31745..32023, 31770..32018, 32060..32125, 32293..32460,
32306..32467, 34736..34846, 51475..51750, 51480..51740

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o7.tw	Method	TBLASTX:Wheat
Start	10643	End	51758
GI	none	Score	127
Exons	10643..10798, 14581..14736, 14665..14856, 31550..31717, 31769..31831, 51576..51758		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	10833	End	32027
GI	none	Score	141
Exons	10833..11075, 10847..11104, 14758..15042, 31739..32023, 31776..32027		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o5.tw	Method	TBLASTX:Wheat
Start	10946	End	32125
GI	none	Score	128
Exons	10946..11098, 10947..11099, 10952..11110, 11041..11112, 11160..11195, 11161..11196, 11162..11215, 14884..15039, 14885..14947, 14892..15050, 14893..15048, 15046..15159, 15095..15160, 31865..32017, 31866..32027, 31957..32019, 32066..32125		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o7.tm	Method	TBLASTX:Maize
Start	18259	End	18657
GI	none	Score	105
Exons	18259..18657, 18305..18445, 18484..18609		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o5.tm	Method	TBLASTX:Maize
Start	23650	End	24309
GI	none	Score	67
Exons	23650..23922, 23691..23870, 23692..23871, 23908..24309, 23942..24208, 23956..24261		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o6.tw	Method	TBLASTX:Wheat
Start	23893	End	24108
GI	none	Score	72

Exons	23893..24108, 23894..24097		
Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o2.tw	Method	TBLASTX:Wheat
Start	24109	End	24696
GI	none	Score	310
Exons	24109..24231, 24304..24696		
Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	24316	End	24951
GI	none	Score	369
Exons	24316..24951, 24317..24865		
Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o3.ts	Method	TBLASTX:Soybean
Start	24544	End	24927
GI	none	Score	149
Exons	24544..24927, 24545..24916		
Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o3.tw	Method	TBLASTX:Wheat
Start	24784	End	25179
GI	none	Score	131
Exons	24784..25179, 24797..25021		
Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o6.tm	Method	TBLASTX:Maize
Start	24952	End	25377
GI	none	Score	86
Exons	24952..25185, 25174..25377, 25205..25375		
Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o5.ts	Method	TBLASTX:Soybean
Start	25363	End	25620
GI	none	Score	200
Exons	25363..25620		
Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	25378	End	25900
GI	none	Score	229
Exons	25378..25899, 25583..25900		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o4.tw	Method	TBLASTX:Wheat
Start	25528	End	25929
GI	none	Score	149
Exons	25528..25929, 25562..25927		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o2.ts	Method	TBLASTX:Soybean
Start	25642	End	26013
GI	none	Score	112
Exons	25642..26013, 25664..25840, 25702..26007		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o3.tm	Method	TBLASTX:Maize
Start	25924	End	26408
GI	none	Score	167
Exons	25924..26400, 25927..26379, 25943..26395, 25949..26407, 26142..26408		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o1.tw	Method	TBLASTX:Wheat
Start	25978	End	26460
GI	none	Score	211
Exons	25978..26460, 26003..26383		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o3.tc	Method	TBLASTX:Cress
Start	26008	End	26331
GI	none	Score	186
Exons	26008..26331		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o4.ts	Method	TBLASTX:Soybean
Start	26110	End	26425
GI	none	Score	74
Exons	26110..26424, 26171..26425		

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o8.tm	Method	TBLASTX:Maize
Start	26674	End	27291
GI	none	Score	73
Exons	26674..26766, 26848..27096, 26882..27067, 27166..27291,		

27167..27259

Seq. No.	48699	Seq. ID	OJ991202_06.0421.C6
Gene No.	103808	Strand	-
Start	55217	End	55834
Name	OJ991202_06.0421.C6.o10.gs	Method	GENSCAN
Start	55217	End	55834
GI	none	Score	.99
Exons	55217..55502, 55534..55834		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103809	Strand	+
Start	13541	End	19944
Name	OJ991202_06.0421.C7.o4.np	Method	AAT/NAP
Start	13541	End	16831
GI	226689	Score	56
Exons	13541..13601, 16719..16831		
GI Descrip.	RNA polymerase beta [Oryza sativa]		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103809	Strand	+
Start	13541	End	19944
Name	OJ991202_06.0421.C7.o3.np	Method	AAT/NAP
Start	16198	End	19944
GI	806299	Score	373
Exons	16198..16695, 17340..17805, 19891..19944		
GI Descrip.	(M25427) unknown protein [Zea mays]		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103810	Strand	-
Start	5112	End	17805
Name	OJ991202_06.0421.C7.o2.gs	Method	GENSCAN
Start	5112	End	14248
GI	none	Score	.51
Exons	5112..5228, 5697..5853, 5932..6333, 6439..6818, 6905..7276, 7431..8175, 8936..9487, 10131..10392, 10584..11187, 11526..12409, 13000..13075, 14174..14248		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103810	Strand	-
Start	5112	End	17805
Name	OJ991202_06.0421.C7.o1.np	Method	AAT/NAP
Start	5324	End	13803
GI	4680204	Score	103
Exons	5324..5344, 8910..9055, 9261..9447, 13783..13803		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103810	Strand	-
Start	5112	End	17805
Name	OJ991202_06.0421.C7.o2.np	Method	AAT/NAP
Start	7898	End	12409
GI	4680203	Score	1398
Exons	7898..7940, 10002..10087, 10364..10589, 10749..12409		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7

Gene No.	103810	Strand	-
Start	5112	End	17805
Name	OJ991202_06.0421.C7.o1.tw	Method	TBLASTX:Wheat
Start	10034	End	10468
GI	none	Score	136
Exons	10034..10333, 10034..10468, 10086..10436		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103810	Strand	-
Start	5112	End	17805
Name	OJ991202_06.0421.C7.o2.tm	Method	TBLASTX:Maize
Start	10124	End	10439
GI	none	Score	131
Exons	10124..10438, 10125..10439		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103810	Strand	-
Start	5112	End	17805
Name	OJ991202_06.0421.C7.o3.tm	Method	TBLASTX:Maize
Start	10600	End	10827
GI	none	Score	84
Exons	10600..10827, 10612..10803		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103810	Strand	-
Start	5112	End	17805
Name	OJ991202_06.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	10987	End	11435
GI	none	Score	54
Exons	10987..11181, 10990..11157, 11003..11182, 11196..11429, 11242..11376, 11304..11435		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103810	Strand	-
Start	5112	End	17805
Name	OJ991202_06.0421.C7.o3.tw	Method	TBLASTX:Wheat
Start	11026	End	11369
GI	none	Score	43
Exons	11026..11181, 11079..11183, 11211..11321, 11239..11319, 11328..11369		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103810	Strand	-
Start	5112	End	17805
Name	OJ991202_06.0421.C7.o1.tc	Method	TBLASTX:Cress
Start	11274	End	11621
GI	none	Score	98
Exons	11274..11621, 11275..11427, 11467..11616		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103810	Strand	-
Start	5112	End	17805
Name	OJ991202_06.0421.C7.o2.ts	Method	TBLASTX:Soybean
Start	11346	End	17805
GI	none	Score	107
Exons	11346..11618, 11356..11622, 17737..17805		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103810	Strand	-
Start	5112	End	17805
Name	OJ991202_06.0421.C7.o2.tw	Method	TBLASTX:Wheat
Start	11370	End	17695
GI	none	Score	38
Exons	11370..11495, 11413..11499, 11502..11621, 11515..11625, 11634..12050, 11755..11961, 17423..17554, 17600..17695		

Seq. No.	48700	Seq. ID	OJ991202_06.0421.C7
Gene No.	103810	Strand	-
Start	5112	End	17805
Name	OJ991202_06.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	11641	End	11973
GI	none	Score	183
Exons	11641..11925, 11643..11924, 11692..11946, 11932..11973		

Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o1.gs	Method	GENSCAN
Start	229	End	7666
GI	none	Score	.4
Exons	229..822, 979..1061, 1589..1854, 2470..2737, 2777..3805, 4127..4432, 4493..4602, 4738..4933, 5509..5802, 5878..6018, 6121..6275, 7063..7191, 7197..7306, 7463..7666		

Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o3.ts	Method	TBLASTX:Soybean
Start	244	End	489
GI	none	Score	48
Exons	244..489, 248..286, 359..445		

Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o4.tw	Method	TBLASTX:Wheat
Start	265	End	681
GI	none	Score	97
Exons	265..489, 541..681		

Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o6.ts	Method	TBLASTX:Soybean
Start	832	End	1226
GI	none	Score	103
Exons	832..1065, 1062..1226		

Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o5.tw	Method	TBLASTX:Wheat
Start	1000	End	1391
GI	none	Score	118

Exons	1000..1056, 1080..1193, 1230..1391		
Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o3.tm	Method	TBLASTX:Maize
Start	1080	End	1433
GI	none	Score	224
Exons	1080..1433		
Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o1.np	Method	AAT/NAP
Start	1382	End	4511
GI	7248394	Score	3466
Exons	1382..1762, 2199..3268, 3539..3819, 3863..4511		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		
Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o3.tw	Method	TBLASTX:Wheat
Start	1884	End	2318
GI	none	Score	60
Exons	1884..2174, 2101..2175, 2229..2318		
Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	1936	End	2364
GI	none	Score	80
Exons	1936..2064, 1947..2189, 2104..2190, 2220..2363, 2226..2363, 2230..2364, 2230..2364		
Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o2.ts	Method	TBLASTX:Soybean
Start	2515	End	2984
GI	none	Score	67
Exons	2515..2661, 2517..2702, 2692..2949, 2703..2984		
Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o2.tw	Method	TBLASTX:Wheat
Start	2601	End	2981
GI	none	Score	58
Exons	2601..2702, 2605..2700, 2679..2981		
Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9

Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	2670	End	3131
GI	none	Score	324
Exons	2670..3131, 2671..3012, 3076..3129		

Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o1.tw	Method	TBLASTX:Wheat
Start	2999	End	3407
GI	none	Score	214
Exons	2999..3289, 3000..3407, 3076..3390		

Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o2.tm	Method	TBLASTX:Maize
Start	3132	End	3347
GI	none	Score	81
Exons	3132..3278, 3132..3347, 3133..3345		

Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o4.ts	Method	TBLASTX:Soybean
Start	3201	End	3569
GI	none	Score	139
Exons	3201..3335, 3351..3569		

Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o5.ts	Method	TBLASTX:Soybean
Start	4050	End	4412
GI	none	Score	204
Exons	4050..4412		

Seq. No.	48701	Seq. ID	OJ991202_06.0421.C9
Gene No.	103811	Strand	-
Start	229	End	7666
Name	OJ991202_06.0421.C9.o4.tm	Method	TBLASTX:Maize
Start	5642	End	5920
GI	none	Score	89
Exons	5642..5770, 5795..5920, 5796..5909		

Seq. No.	48702	Seq. ID	OJ991202_02.0421.C1
Gene No.	103812	Strand	+
Start	1	End	2415
Name	OJ991202_02.0421.C1.o1.np	Method	AAT/NAP
Start	1	End	2415
GI	6729489	Score	645
Exons	1..588, 687..1265, 2326..2415		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48702	Seq. ID	OJ991202_02.0421.C1
Gene No.	103812	Strand	+
Start	1	End	2415
Name	OJ991202_02.0421.C1.o1.tc	Method	TBLASTX:Cress
Start	317	End	1236
GI	none	Score	67
Exons	317..415, 398..556, 684..842, 685..876, 864..995, 868..1005, 1006..1191, 1027..1236		

Seq. No.	48702	Seq. ID	OJ991202_02.0421.C1
Gene No.	103812	Strand	+
Start	1	End	2415
Name	OJ991202_02.0421.C1.o1.ts	Method	TBLASTX:Soybean
Start	326	End	957
GI	none	Score	53
Exons	326..382, 398..592, 681..842, 682..846, 868..957, 868..924		

Seq. No.	48702	Seq. ID	OJ991202_02.0421.C1
Gene No.	103812	Strand	+
Start	1	End	2415
Name	OJ991202_02.0421.C1.o1.gs	Method	GENSCAN
Start	340	End	1385
GI	none	Score	.9
Exons	340..588, 834..1151, 1274..1385		

Seq. No.	48702	Seq. ID	OJ991202_02.0421.C1
Gene No.	103812	Strand	+
Start	1	End	2415
Name	OJ991202_02.0421.C1.o1.tm	Method	TBLASTX:Maize
Start	494	End	1266
GI	none	Score	88
Exons	494..589, 684..845, 685..846, 724..846, 868..1023, 1033..1266		

Seq. No.	48702	Seq. ID	OJ991202_02.0421.C1
Gene No.	103812	Strand	+
Start	1	End	2415
Name	OJ991202_02.0421.C1.o1.tw	Method	TBLASTX:Wheat
Start	684	End	999
GI	none	Score	130
Exons	684..824, 685..834, 867..995, 868..999		

Seq. No.	48703	Seq. ID	OJ991202_02.0421.C2
Gene No.	103813	Strand	+
Start	507	End	4359
Name	OJ991202_02.0421.C2.o1.np	Method	AAT/NAP
Start	507	End	3722
GI	6729489	Score	510
Exons	507..536, 2878..3073, 3171..3722		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48703	Seq. ID	OJ991202_02.0421.C2
Gene No.	103813	Strand	+
Start	507	End	4359
Name	OJ991202_02.0421.C2.o2.gs	Method	GENSCAN
Start	2041	End	4359
GI	none	Score	.71

Exons	2041..2125, 2809..3073, 3171..3700, 4229..4359		
Seq. No.	48703	Seq. ID	OJ991202_02.0421.C2
Gene No.	103814	Strand	-
Start	802	End	1008
Name	OJ991202_02.0421.C2.o1.gs	Method	GENSCAN
Start	802	End	1008
GI	none	Score	.51
Exons	802..1008		
Seq. No.	48703	Seq. ID	OJ991202_02.0421.C2
Gene No.	103815	Strand	
Start	2883	End	3729
Name	OJ991202_02.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	2883	End	3711
GI	none	Score	143
Exons	2883..3041, 3168..3326, 3169..3360, 3348..3479, 3352..3489, 3511..3711		
Seq. No.	48703	Seq. ID	OJ991202_02.0421.C2
Gene No.	103815	Strand	
Start	2883	End	3729
Name	OJ991202_02.0421.C2.o1.ts	Method	TBLASTX:Soybean
Start	2883	End	3441
GI	none	Score	182
Exons	2883..3089, 3165..3356, 3166..3330, 3352..3441, 3352..3408		
Seq. No.	48703	Seq. ID	OJ991202_02.0421.C2
Gene No.	103815	Strand	
Start	2883	End	3729
Name	OJ991202_02.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	2979	End	3729
GI	none	Score	90
Exons	2979..3074, 3168..3335, 3169..3330, 3352..3507, 3517..3729, 3519..3671		
Seq. No.	48703	Seq. ID	OJ991202_02.0421.C2
Gene No.	103815	Strand	
Start	2883	End	3729
Name	OJ991202_02.0421.C2.o1.tw	Method	TBLASTX:Wheat
Start	3226	End	3474
GI	none	Score	215
Exons	3226..3474, 3270..3473		
Seq. No.	48704	Seq. ID	OJ991202_02.0421.C3
Gene No.	103816	Strand	-
Start	1512	End	1648
Name	OJ991202_02.0421.C3.o1.gs	Method	GENSCAN
Start	1512	End	1648
GI	none	Score	.81
Exons	1512..1648		
Seq. No.	48705	Seq. ID	OJ991202_02.0421.C4
Gene No.	103817	Strand	+
Start	631	End	3313
Name	OJ991202_02.0421.C4.o1.gs	Method	GENSCAN
Start	631	End	3313

GI	none	Score	.76
Exons	631..1994, 2092..2872, 3197..3313		

Seq. No.	48705	Seq. ID	OJ991202_02.0421.C4
Gene No.	103817	Strand	+
Start	631	End	3313
Name	OJ991202_02.0421.C4.o1.np	Method	AAT/NAP
Start	653	End	2831
GI	6729489	Score	661
Exons	653..1994, 2092..2831		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48705	Seq. ID	OJ991202_02.0421.C4
Gene No.	103818	Strand	-
Start	3638	End	4460
Name	OJ991202_02.0421.C4.o2.ts	Method	TBLASTX:Soybean
Start	838	End	1386
GI	none	Score	120
Exons	838..990, 873..989, 1063..1137, 1077..1172, 1150..1191, 1309..1386		

Seq. No.	48705	Seq. ID	OJ991202_02.0421.C4
Gene No.	103818	Strand	-
Start	3638	End	4460
Name	OJ991202_02.0421.C4.o2.tm	Method	TBLASTX:Maize
Start	847	End	1089
GI	none	Score	200
Exons	847..1089, 853..1089		

Seq. No.	48705	Seq. ID	OJ991202_02.0421.C4
Gene No.	103818	Strand	-
Start	3638	End	4460
Name	OJ991202_02.0421.C4.o1.tc	Method	TBLASTX:Cress
Start	1147	End	2617
GI	none	Score	57
Exons	1147..1197, 1225..1425, 1618..1803, 1804..1962, 2089..2196, 2090..2251, 2269..2400, 2273..2401, 2417..2617, 2434..2595		

Seq. No.	48705	Seq. ID	OJ991202_02.0421.C4
Gene No.	103818	Strand	-
Start	3638	End	4460
Name	OJ991202_02.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	1675	End	2620
GI	none	Score	82
Exons	1675..1761, 1801..1974, 2090..2242, 2285..2425, 2438..2620		

Seq. No.	48705	Seq. ID	OJ991202_02.0421.C4
Gene No.	103818	Strand	-
Start	3638	End	4460
Name	OJ991202_02.0421.C4.o1.ts	Method	TBLASTX:Soybean
Start	1732	End	2362
GI	none	Score	54
Exons	1732..1788, 1804..2007, 2087..2251, 2089..2199, 2273..2362, 2289..2330		

Seq. No.	48705	Seq. ID	OJ991202_02.0421.C4

Gene No.	103818	Strand	-
Start	3638	End	4460
Name	OJ991202_02.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	2090	End	2404
GI	none	Score	144
Exons	2090..2242, 2273..2404, 2284..2400		

Seq. No.	48705	Seq. ID	OJ991202_02.0421.C4
Gene No.	103818	Strand	-
Start	3638	End	4460
Name	OJ991202_02.0421.C4.o2.gs	Method	GENSCAN
Start	3638	End	4460
GI	none	Score	.55
Exons	3638..3659, 3815..3935, 4127..4460		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103819	Strand	+
Start	1	End	15145
Name	OJ991202_02.0421.C5.o1.np	Method	AAT/NAP
Start	1	End	6696
GI	6539553	Score	6234
Exons	1..3491, 6380..6696		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103819	Strand	+
Start	1	End	15145
Name	OJ991202_02.0421.C5.o1.gs	Method	GENSCAN
Start	98	End	15145
GI	none	Score	.53
Exons	98..759, 1471..2453, 2580..2704, 3026..3213, 4044..4254, 4275..4456, 4510..4612, 4884..4953, 6837..7078, 9471..9624, 10063..10135, 10603..11347, 11510..11970, 12143..12375, 12430..12736, 12742..12813, 14493..14688, 15044..15145		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103819	Strand	+
Start	1	End	15145
Name	OJ991202_02.0421.C5.o2.np	Method	AAT/NAP
Start	10649	End	12719
GI	1418331	Score	674
Exons	10649..11956, 12126..12719		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o5.tw	Method	TBLASTX:Wheat
Start	3	End	289
GI	none	Score	74
Exons	3..110, 94..285, 95..289		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-

Start	14440	End	14573
Name	OJ991202_02.0421.C5.o4.tm	Method	TBLASTX:Maize
Start	94	End	351
GI	none	Score	295
Exons	94..351, 95..349		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	850	End	1171
GI	none	Score	259
Exons	850..1104, 857..1171, 858..1169, 877..1170		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o8.ts	Method	TBLASTX:Soybean
Start	1199	End	1585
GI	none	Score	88
Exons	1199..1354, 1337..1585		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o4.tw	Method	TBLASTX:Wheat
Start	1304	End	1642
GI	none	Score	261
Exons	1304..1642, 1436..1621		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o5.tm	Method	TBLASTX:Maize
Start	1499	End	1993
GI	none	Score	225
Exons	1499..1807, 1588..1773, 1826..1993		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o3.ts	Method	TBLASTX:Soybean
Start	1595	End	1993
GI	none	Score	192
Exons	1595..1819, 1603..1773, 1610..1804, 1820..1993, 1828..1866		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	1643	End	2398
GI	none	Score	912
Exons	1643..2398, 1651..2130, 2150..2398		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573

Name	OJ991202_02.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	2318	End	2782
GI	5509260	Score	346
Exons	2318..2782, 2536..2637, 2719..2763		
GI Descrip.	-		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o2.tc	Method	TBLASTX:Cress
Start	2411	End	2671
GI	none	Score	269
Exons	2411..2671, 2413..2490		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o2.tw	Method	TBLASTX:Wheat
Start	2453	End	2998
GI	none	Score	282
Exons	2453..2797, 2789..2998		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o3.tm	Method	TBLASTX:Maize
Start	2453	End	2899
GI	none	Score	327
Exons	2453..2899, 2588..2743, 2731..2814		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o4.ts	Method	TBLASTX:Soybean
Start	2851	End	3178
GI	none	Score	283
Exons	2851..3051, 2852..3178		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o6.tm	Method	TBLASTX:Maize
Start	3007	End	3345
GI	none	Score	123
Exons	3007..3195, 3008..3178, 3069..3191, 3195..3344, 3196..3345		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o3.tw	Method	TBLASTX:Wheat
Start	3201	End	6565
GI	none	Score	101
Exons	3201..3272, 3202..3276, 3202..3282, 3291..3485, 3291..3491, 3292..3492, 3292..3492, 6372..6527, 6377..6565, 6378..6530, 6425..6565		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5

Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o7.ts	Method	TBLASTX:Soybean
Start	3208	End	3488
GI	none	Score	87
Exons	3208..3321, 3234..3314, 3340..3486, 3345..3488		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o5.ts	Method	TBLASTX:Soybean
Start	10667	End	11377
GI	none	Score	172
Exons	10667..10990, 10708..10989, 11057..11134, 11074..11130, 11132..11194, 11231..11377		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o7.tm	Method	TBLASTX:Maize
Start	10825	End	11077
GI	none	Score	194
Exons	10825..11076, 10847..11077		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o1.tc	Method	TBLASTX:Cress
Start	11624	End	12692
GI	none	Score	105
Exons	11624..11779, 11780..11938, 12126..12320, 12138..12302, 12320..12451, 12324..12452, 12468..12692		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o8.tm	Method	TBLASTX:Maize
Start	11630	End	11875
GI	none	Score	98
Exons	11630..11731, 11650..11742, 11777..11875, 11785..11874		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o6.ts	Method	TBLASTX:Soybean
Start	11660	End	11935
GI	none	Score	105
Exons	11660..11785, 11780..11935		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o2.tm	Method	TBLASTX:Maize
Start	11876	End	12722
GI	none	Score	90
Exons	11876..11971, 12126..12305, 12175..12306, 12182..12304, 12324..12452, 12335..12463, 12489..12722, 12489..12674		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o6.tw	Method	TBLASTX:Wheat
Start	12141	End	12455
GI	none	Score	143
Exons	12141..12293, 12335..12451, 12336..12455		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o2.ts	Method	TBLASTX:Soybean
Start	12146	End	12566
GI	none	Score	187
Exons	12146..12307, 12150..12317, 12335..12445, 12336..12446, 12462..12563, 12489..12566		

Seq. No.	48706	Seq. ID	OJ991202_02.0421.C5
Gene No.	103820	Strand	-
Start	14440	End	14573
Name	OJ991202_02.0421.C5.o3.np	Method	AAT/NAP
Start	14440	End	14573
GI	5922620	Score	166
Exons	14440..14573		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48707	Seq. ID	OJ991202_02.0421.C6
Gene No.	103821	Strand	+
Start	290	End	3260
Name	OJ991202_02.0421.C6.o1.gs	Method	GENSCAN
Start	290	End	3260
GI	none	Score	.49
Exons	290..295, 1329..1523, 2811..3260		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103822	Strand	+
Start	1	End	7269
Name	OJ991202_02.0421.C7.o1.np	Method	AAT/NAP
Start	1	End	252
GI	4512231	Score	323
Exons	1..252		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103822	Strand	+
Start	1	End	7269
Name	OJ991202_02.0421.C7.o1.gs	Method	GENSCAN
Start	73	End	4941
GI	none	Score	.43
Exons	73..180, 519..1185, 1286..1449, 1516..1615, 1664..4941		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7

Gene No.	103822	Strand	+
Start	1	End	7269
Name	OJ991202_02.0421.C7.o2.np	Method	AAT/NAP
Start	197	End	4938
GI	4680179	Score	5621
Exons	197..242, 519..1509, 1537..4938		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103822	Strand	+
Start	1	End	7269
Name	OJ991202_02.0421.C7.o3.np	Method	AAT/NAP
Start	2003	End	7269
GI	6063554	Score	145
Exons	2003..2043, 5700..5902, 5987..6032, 7098..7269		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103823	Strand	+
Start	7667	End	9095
Name	OJ991202_02.0421.C7.o3.gs	Method	GENSCAN
Start	7667	End	9067
GI	none	Score	.9
Exons	7667..7678, 8454..9067		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103823	Strand	+
Start	7667	End	9095
Name	OJ991202_02.0421.C7.o4.np	Method	AAT/NAP
Start	8454	End	9095
GI	6983861	Score	1082
Exons	8454..9095		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o9.tw	Method	TBLASTX:Wheat
Start	680	End	878
GI	none	Score	189
Exons	680..877, 690..878, 696..878		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o6.tm	Method	TBLASTX:Maize
Start	930	End	1235
GI	none	Score	237
Exons	930..1235		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o7.tw	Method	TBLASTX:Wheat

Start	930	End	1256
GI	none	Score	284
Exons	930..1256		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o8.tw	Method	TBLASTX:Wheat
Start	1615	End	1968
GI	none	Score	253
Exons	1615..1968, 1705..1899		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o7.tm	Method	TBLASTX:Maize
Start	1972	End	2165
GI	none	Score	188
Exons	1972..2163, 2010..2165		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o4.tw	Method	TBLASTX:Wheat
Start	2100	End	2583
GI	none	Score	535
Exons	2100..2540, 2101..2583, 2137..2580		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o4.ts	Method	TBLASTX:Soybean
Start	2137	End	2451
GI	none	Score	198
Exons	2137..2451		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o4.tm	Method	TBLASTX:Maize
Start	2166	End	2613
GI	none	Score	373
Exons	2166..2408, 2170..2613		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	2524	End	2919
GI	none	Score	57
Exons	2524..2556, 2524..2556, 2560..2613, 2562..2603, 2668..2919, 2676..2909		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o5.tm	Method	TBLASTX:Maize

Start	2668	End	3000
GI	none	Score	303
Exons	2668..3000, 2721..2999		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o5.tw	Method	TBLASTX:Wheat
Start	2671	End	2934
GI	none	Score	367
Exons	2671..2934, 2673..2933, 2683..2934		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o3.tw	Method	TBLASTX:Wheat
Start	2935	End	3360
GI	none	Score	598
Exons	2935..3360, 2937..3353, 3010..3360		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o3.ts	Method	TBLASTX:Soybean
Start	2941	End	3189
GI	none	Score	207
Exons	2941..3189		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o2.tm	Method	TBLASTX:Maize
Start	3007	End	3360
GI	none	Score	463
Exons	3007..3360, 3012..3353		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o2.tw	Method	TBLASTX:Wheat
Start	3388	End	3927
GI	none	Score	617
Exons	3388..3927, 3570..3905		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o1.tc	Method	TBLASTX:Cress
Start	3625	End	3951
GI	none	Score	90
Exons	3625..3807, 3808..3951, 3810..3950		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o2.ts	Method	TBLASTX:Soybean
Start	3715	End	3975

GI	none	Score	292
Exons	3715..3975, 3726..3974		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o3.tm	Method	TBLASTX:Maize
Start	3774	End	4065
GI	none	Score	156
Exons	3774..4061, 3774..4061, 3775..4065, 3907..4062		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o1.tw	Method	TBLASTX:Wheat
Start	3934	End	4560
GI	none	Score	709
Exons	3934..4560, 3990..4439, 4500..4559		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	4113	End	4698
GI	none	Score	225
Exons	4113..4268, 4114..4275, 4272..4436, 4273..4698, 4393..4677, 4500..4697		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o6.tw	Method	TBLASTX:Wheat
Start	4560	End	4893
GI	none	Score	313
Exons	4560..4841, 4561..4893, 4711..4842		

Seq. No.	48708	Seq. ID	OJ991202_02.0421.C7
Gene No.	103824	Strand	-
Start	5499	End	6071
Name	OJ991202_02.0421.C7.o2.gs	Method	GENSCAN
Start	5499	End	6071
GI	none	Score	.72
Exons	5499..6071		

Seq. No.	48709	Seq. ID	OJ991202_02.0421.C8
Gene No.	103825	Strand	+
Start	722	End	10742
Name	OJ991202_02.0421.C8.o1.gs	Method	GENSCAN
Start	722	End	1950
GI	none	Score	.64
Exons	722..858, 1266..1384, 1869..1950		

Seq. No.	48709	Seq. ID	OJ991202_02.0421.C8
Gene No.	103825	Strand	+
Start	722	End	10742
Name	OJ991202_02.0421.C8.o1.np	Method	AAT/NAP
Start	727	End	9368

GI	5295955	Score	332
Exons	727..790, 1330..1443, 2129..2577, 2696..2877, 4507..4833, 9260..9368		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	48709	Seq. ID	OJ991202_02.0421.C8
Gene No.	103825	Strand	+
Start	722	End	10742
Name	OJ991202_02.0421.C8.o3.gs	Method	GENSCAN
Start	6899	End	10724
GI	none	Score	.67
Exons	6899..6908, 8228..9716, 10149..10724		

Seq. No.	48709	Seq. ID	OJ991202_02.0421.C8
Gene No.	103825	Strand	+
Start	722	End	10742
Name	OJ991202_02.0421.C8.o1.tc	Method	TBLASTX:Cress
Start	9340	End	9684
GI	none	Score	140
Exons	9340..9525, 9514..9684		

Seq. No.	48709	Seq. ID	OJ991202_02.0421.C8
Gene No.	103825	Strand	+
Start	722	End	10742
Name	OJ991202_02.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	9376	End	9717
GI	none	Score	112
Exons	9376..9489, 9393..9488, 9523..9642, 9531..9620, 9619..9717, 9625..9717		

Seq. No.	48709	Seq. ID	OJ991202_02.0421.C8
Gene No.	103825	Strand	+
Start	722	End	10742
Name	OJ991202_02.0421.C8.o1.ts	Method	TBLASTX:Soybean
Start	9403	End	9681
GI	none	Score	105
Exons	9403..9531, 9525..9644, 9526..9681		

Seq. No.	48709	Seq. ID	OJ991202_02.0421.C8
Gene No.	103825	Strand	+
Start	722	End	10742
Name	OJ991202_02.0421.C8.o1.gp	Method	AAT/GAP
Start	10123	End	10591
GI	2428447	Score	839
Exons	10123..10591		

Seq. No.	48709	Seq. ID	OJ991202_02.0421.C8
Gene No.	103825	Strand	+
Start	722	End	10742
Name	OJ991202_02.0421.C8.o3.np	Method	AAT/NAP
Start	10312	End	10742
GI	6573436	Score	115
Exons	10312..10448, 10475..10742		
GI Descrip.	Chain A, Lectin Ii From Ulex Europaeus gi|6573437|pdb|1QNW|B Chain B, Lectin Ii From Ulex Europaeus gi|6573438|pdb|1QNW|C Chain C, Lectin Ii From Ulex Europaeus gi|6573439|pdb|1QNW|D		

Chain D, Lectin Ii From Ulex Europaeus gi|6573440|pdb|1QOO|A
Chain A, Lectin Uea-Ii Complexed With Nag gi|6573441|pdb|1QOO|B
Chain B, Lectin Uea-Ii Complexed With Nag gi|6573442|pdb|1QOO|C
Chain

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103826	Strand	+
Start	1	End	11490
Name	OJ991202_02.0421.C9.o1.np	Method	AAT/NAP
Start	1	End	1362
GI	6729489	Score	666
Exons	1..143, 195..542, 651..1362		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103826	Strand	+
Start	1	End	11490
Name	OJ991202_02.0421.C9.o1.gs	Method	GENSCAN
Start	70	End	11078
GI	none	Score	.5
Exons	70..542, 651..1115, 1274..1314, 3110..3221, 3227..3412, 3829..4027, 4265..4505, 4674..6067, 6293..6458, 6558..6698, 7758..7996, 8189..8291, 8343..8625, 8657..8679, 8861..9120, 9325..10316, 10409..11078		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103826	Strand	+
Start	1	End	11490
Name	OJ991202_02.0421.C9.o2.np	Method	AAT/NAP
Start	4154	End	8546
GI	6466937	Score	2315
Exons	4154..4845, 4882..8546		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103826	Strand	+
Start	1	End	11490
Name	OJ991202_02.0421.C9.o4.np	Method	AAT/NAP
Start	8887	End	11392
GI	6729489	Score	622
Exons	8887..9021, 9055..10316, 10409..11020, 11297..11392		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103826	Strand	+
Start	1	End	11490
Name	OJ991202_02.0421.C9.o3.np	Method	AAT/NAP
Start	8908	End	11490
GI	7076798	Score	654
Exons	8908..9880, 9938..10316, 10409..10994, 11350..11490		
GI Descrip.	(AL132975) probable serine/threonine-specific protein kinase [Arabidopsis thaliana]		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9

Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o1.tc	Method	TBLASTX:Cress
Start	178	End	10958
GI	none	Score	105
Exons	178..351, 340..510, 646..825, 649..840, 828..959, 832..960, 991..1200, 1007..1036, 9604..9699, 9952..10125, 10114..10284, 10406..10564, 10407..10586, 10407..10571, 10586..10717, 10590..10718, 10749..10958		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o8.tm	Method	TBLASTX:Maize
Start	202	End	10221
GI	none	Score	107
Exons	202..315, 219..314, 340..447, 360..452, 360..446, 9976..10089, 9993..10088, 10114..10221, 10121..10216, 10134..10220		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	280	End	10679
GI	none	Score	53
Exons	280..336, 352..555, 646..810, 729..806, 832..921, 844..915, 10054..10110, 10126..10317, 10406..10564, 10407..10568, 10590..10679		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o6.tw	Method	TBLASTX:Wheat
Start	379	End	10634
GI	none	Score	85
Exons	379..528, 649..876, 10153..10302, 10407..10634		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o5.tm	Method	TBLASTX:Maize
Start	454	End	10988
GI	none	Score	90
Exons	454..573, 649..810, 688..810, 832..987, 997..1227, 997..1224, 10222..10317, 10406..10567, 10407..10568, 10440..10568, 10590..10718, 10601..10780, 10755..10988, 10761..10934		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o6.tm	Method	TBLASTX:Maize
Start	4841	End	5692
GI	none	Score	122
Exons	4841..4975, 5054..5296, 5387..5467, 5588..5692		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+

Start	12024	End	12123
Name	OJ991202_02.0421.C9.o1.tw	Method	TBLASTX:Wheat
Start	5681	End	6163
GI	none	Score	366
Exons	5681..6163, 5785..6159		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o5.ts	Method	TBLASTX:Soybean
Start	5717	End	6031
GI	none	Score	208
Exons	5717..6031		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o3.tm	Method	TBLASTX:Maize
Start	5744	End	6217
GI	none	Score	582
Exons	5744..6217, 5785..6207		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o3.ts	Method	TBLASTX:Soybean
Start	6140	End	6499
GI	none	Score	282
Exons	6140..6499, 6308..6481		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o7.tm	Method	TBLASTX:Maize
Start	6220	End	6442
GI	none	Score	80
Exons	6220..6387, 6250..6426, 6266..6442		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o4.tw	Method	TBLASTX:Wheat
Start	6266	End	6613
GI	none	Score	302
Exons	6266..6613		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o2.tm	Method	TBLASTX:Maize
Start	6445	End	7066
GI	none	Score	564
Exons	6445..6933, 6446..6937, 6944..7066		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123

Name	OJ991202_02.0421.C9.o4.ts	Method	TBLASTX:Soybean
Start	6523	End	6766
GI	none	Score	222
Exons	6523..6672, 6524..6766, 6527..6721		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o2.tw	Method	TBLASTX:Wheat
Start	6920	End	7354
GI	none	Score	331
Exons	6920..6943, 6955..7269, 6956..7354, 6992..7354		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	7190	End	7826
GI	none	Score	734
Exons	7190..7825, 7192..7824, 7367..7825, 7572..7826		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o2.ts	Method	TBLASTX:Soybean
Start	7214	End	7597
GI	none	Score	309
Exons	7214..7597, 7327..7593		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o5.tw	Method	TBLASTX:Wheat
Start	7445	End	7825
GI	none	Score	300
Exons	7445..7825, 7540..7824		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o4.tm	Method	TBLASTX:Maize
Start	7871	End	8442
GI	none	Score	505
Exons	7871..8437, 7874..7957, 7954..8178, 8299..8442		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o3.tw	Method	TBLASTX:Wheat
Start	7892	End	8194
GI	none	Score	310
Exons	7892..8194, 7925..8173, 7996..8178		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o9.tm	Method	TBLASTX:Maize

Start	9339	End	9609
GI	none	Score	62
Exons	9339..9377, 9340..9381, 9390..9503, 9391..9609		

Seq. No.	48710	Seq. ID	OJ991202_02.0421.C9
Gene No.	103827	Strand	+
Start	12024	End	12123
Name	OJ991202_02.0421.C9.o2.gs	Method	GENSCAN
Start	12024	End	12123
GI	none	Score	.54
Exons	12024..12123		

Seq. No.	48711	Seq. ID	OJ991202_02.0421.C10
Gene No.	103828	Strand	+
Start	6897	End	18956
Name	OJ991202_02.0421.C10.o2.gs	Method	GENSCAN
Start	6897	End	18795
GI	none	Score	.51
Exons	6897..7031, 7059..7361, 7508..7712, 7873..7892, 7931..8057, 8489..8995, 9262..9522, 10405..10580, 11512..11633, 11693..11821, 12429..12496, 12563..12704, 12942..13106, 14657..14714, 14737..14793, 15019..15092, 18255..18457, 18629..18795		

Seq. No.	48711	Seq. ID	OJ991202_02.0421.C10
Gene No.	103828	Strand	+
Start	6897	End	18956
Name	OJ991202_02.0421.C10.o3.np	Method	AAT/NAP
Start	12736	End	17665
GI	5668816	Score	300
Exons	12736..12828, 12953..13106, 13718..13812, 14158..14217, 14304..14395, 14475..14610, 14707..14797, 17644..17665		
GI Descrip.	(AC007519) F16N3.15 [Arabidopsis thaliana]		

Seq. No.	48711	Seq. ID	OJ991202_02.0421.C10
Gene No.	103828	Strand	+
Start	6897	End	18956
Name	OJ991202_02.0421.C10.o1.gp	Method	AAT/GAP
Start	18383	End	18956
GI	2428744	Score	767
Exons	18383..18457, 18629..18956		

Seq. No.	48711	Seq. ID	OJ991202_02.0421.C10
Gene No.	103829	Strand	+
Start	21573	End	22394
Name	OJ991202_02.0421.C10.o2.gp	Method	AAT/GAP
Start	21573	End	22394
GI	24989_1.R1084	Score	318
Exons	21573..21777, 22353..22394		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	48711	Seq. ID	OJ991202_02.0421.C10
Gene No.	103830	Strand	-
Start	1445	End	3568
Name	OJ991202_02.0421.C10.o1.np	Method	AAT/NAP
Start	1445	End	3568

GI	6069653	Score	1442
Exons	1445..2473, 2501..3326, 3361..3568		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	48711	Seq. ID	OJ991202_02.0421.C10
Gene No.	103831	Strand	-
Start	4605	End	6871
Name	OJ991202_02.0421.C10.o2.np	Method	AAT/NAP
Start	4605	End	6871
GI	4680186	Score	183
Exons	4605..4672, 5254..5485, 6831..6871		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48711	Seq. ID	OJ991202_02.0421.C10
Gene No.	103832	Strand	-
Start	20331	End	22359
Name	OJ991202_02.0421.C10.o3.gs	Method	GENSCAN
Start	20331	End	22359
GI	none	Score	.49
Exons	20331..20424, 21122..21158, 22240..22359		

Seq. No.	48712	Seq. ID	OJ991202_02.0421.C11
Gene No.	103833	Strand	+
Start	8348	End	11335
Name	OJ991202_02.0421.C11.o2.gp	Method	AAT/GAP
Start	8348	End	8594
GI	3761181	Score	439
Exons	8348..8594		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	48712	Seq. ID	OJ991202_02.0421.C11
Gene No.	103833	Strand	+
Start	8348	End	11335
Name	OJ991202_02.0421.C11.o2.np	Method	AAT/NAP
Start	8492	End	11335
GI	7106512	Score	2623
Exons	8492..8551, 8625..10907, 10962..11335		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48712	Seq. ID	OJ991202_02.0421.C11
Gene No.	103834	Strand	-
Start	1631	End	6664
Name	OJ991202_02.0421.C11.o1.np	Method	AAT/NAP
Start	1631	End	6664
GI	7340909	Score	174
Exons	1631..1744, 1904..2083, 3796..4027, 6399..6664		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	48712	Seq. ID	OJ991202_02.0421.C11
Gene No.	103834	Strand	-
Start	1631	End	6664
Name	OJ991202_02.0421.C11.o1.gp	Method	AAT/GAP
Start	2502	End	2639
GI	LIB3431-027-P1-K1-D5	Score	245
Exons	2502..2639		

GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		
Seq. No.	48712	Seq. ID	OJ991202_02.0421.C11
Gene No.	103835	Strand	-
Start	10126	End	10858
Name	OJ991202_02.0421.C11.o2.gs	Method	GENSCAN
Start	10126	End	10858
GI	none	Score	.44
Exons	10126..10356, 10411..10633, 10680..10858		
Seq. No.	48712	Seq. ID	OJ991202_02.0421.C11
Gene No.	103836	Strand	-
Start	11724	End	11876
Name	OJ991202_02.0421.C11.o3.np	Method	AAT/NAP
Start	11724	End	11876
GI	7106513	Score	231
Exons	11724..11876		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		
Seq. No.	48713	Seq. ID	OJ991202_02.0421.C12
Gene No.	103837	Strand	+
Start	1	End	803
Name	OJ991202_02.0421.C12.o1.np	Method	AAT/NAP
Start	1	End	803
GI	7106512	Score	1219
Exons	1..803		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	48713	Seq. ID	OJ991202_02.0421.C12
Gene No.	103837	Strand	+
Start	1	End	803
Name	OJ991202_02.0421.C12.o1.gs	Method	GENSCAN
Start	51	End	686
GI	none	Score	.84
Exons	51..686		
Seq. No.	48714	Seq. ID	OJ991202_02.0421.C13
Gene No.	103838	Strand	-
Start	95	End	711
Name	OJ991202_02.0421.C13.o1.gs	Method	GENSCAN
Start	95	End	663
GI	none	Score	.72
Exons	95..410, 553..663		
Seq. No.	48714	Seq. ID	OJ991202_02.0421.C13
Gene No.	103838	Strand	-
Start	95	End	711
Name	OJ991202_02.0421.C13.o1.np	Method	AAT/NAP
Start	531	End	711
GI	7487343	Score	95
Exons	531..711		
GI Descrip.	hypothetical protein T22F8.200 - Arabidopsis thaliana gi|4914442|emb|CAB43645.1| (AL050351) putative protein [Arabidopsis thaliana] gi|7270914|emb|CAB80593.1| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	48715	Seq. ID	OJ991202_02.0421.C23
Gene No.	103839	Strand	+
Start	1	End	455
Name	OJ991202_02.0421.C23.o1.np	Method	AAT/NAP
Start	1	End	455
GI	5922623	Score	203
Exons	1..211, 380..455		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48715	Seq. ID	OJ991202_02.0421.C23
Gene No.	103840	Strand	-
Start	47	End	137
Name	OJ991202_02.0421.C23.o1.gs	Method	GENSCAN
Start	47	End	137
GI	none	Score	.94
Exons	47..137		

Seq. No.	48716	Seq. ID	OJ991202_02.0421.C30
Gene No.	103841	Strand	+
Start	1	End	912
Name	OJ991202_02.0421.C30.o1.gp	Method	AAT/GAP
Start	1	End	771
GI	66537_1.R1084	Score	383
Exons	1..47, 399..457, 602..771		
GI Descrip.	'2501555/sp|Q40784|AAPC_PENCL 3.0e-41 POSSIBLE APOSPORY-ASSOCIATED PROTEIN C >gi_549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]'		

Seq. No.	48716	Seq. ID	OJ991202_02.0421.C30
Gene No.	103841	Strand	+
Start	1	End	912
Name	OJ991202_02.0421.C30.o1.np	Method	AAT/NAP
Start	1	End	912
GI	6850852	Score	229
Exons	1..109, 399..457, 602..833, 892..912		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	48716	Seq. ID	OJ991202_02.0421.C30
Gene No.	103841	Strand	+
Start	1	End	912
Name	OJ991202_02.0421.C30.o1.gs	Method	GENSCAN
Start	360	End	765
GI	none	Score	.71
Exons	360..457, 602..765		

Seq. No.	48716	Seq. ID	OJ991202_02.0421.C30
Gene No.	103841	Strand	+
Start	1	End	912
Name	OJ991202_02.0421.C30.o1.ts	Method	TBLASTX:Soybean
Start	394	End	772
GI	none	Score	95
Exons	394..456, 398..457, 398..457, 599..772, 600..740		

Seq. No.	48716	Seq. ID	OJ991202_02.0421.C30

Gene No.	103841	Strand	+
Start	1	End	912
Name	OJ991202_02.0421.C30.o1.tm	Method	TBLASTX:Maize
Start	422	End	784
GI	none	Score	57
Exons	422..457, 598..645, 599..772, 599..784		

Seq. No.	48717	Seq. ID	OJ991202_02.0421.C34
Gene No.	103842	Strand	-
Start	75	End	168
Name	OJ991202_02.0421.C34.o1.gs	Method	GENSCAN
Start	75	End	168
GI	none	Score	.68
Exons	75..168		

Seq. No.	48717	Seq. ID	OJ991202_02.0421.C34
Gene No.	103843	Strand	-
Start	893	End	997
Name	OJ991202_02.0421.C34.o2.gs	Method	GENSCAN
Start	893	End	997
GI	none	Score	.99
Exons	893..997		

Seq. No.	48718	Seq. ID	OJ991202_02.0421.C35
Gene No.	103844	Strand	+
Start	2	End	1079
Name	OJ991202_02.0421.C35.o1.gs	Method	GENSCAN
Start	2	End	1079
GI	none	Score	.62
Exons	2..4, 152..226, 492..681, 961..1079		

Seq. No.	48719	Seq. ID	OJ991202_02.0421.C39
Gene No.	103845	Strand	-
Start	1	End	1082
Name	OJ991202_02.0421.C39.o1.np	Method	AAT/NAP
Start	1	End	1082
GI	7228457	Score	1796
Exons	1..1082		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48719	Seq. ID	OJ991202_02.0421.C39
Gene No.	103845	Strand	-
Start	1	End	1082
Name	OJ991202_02.0421.C39.o2.tw	Method	TBLASTX:Wheat
Start	9	End	561
GI	none	Score	156
Exons	9..77, 270..560, 271..528, 463..561		

Seq. No.	48719	Seq. ID	OJ991202_02.0421.C39
Gene No.	103845	Strand	-
Start	1	End	1082
Name	OJ991202_02.0421.C39.o1.tw	Method	TBLASTX:Wheat
Start	564	End	935
GI	none	Score	166
Exons	564..833, 581..934, 879..935		

Seq. No.	48719	Seq. ID	OJ991202_02.0421.C39
Gene No.	103845	Strand	-
Start	1	End	1082
Name	OJ991202_02.0421.C39.o1.tm	Method	TBLASTX:Maize
Start	710	End	1072
GI	none	Score	178
Exons	710..757, 749..1072, 762..1055		

Seq. No.	48720	Seq. ID	OJ990612_41.0419.C1
Gene No.	103846	Strand	-
Start	1	End	782
Name	OJ990612_41.0419.C1.o1.np	Method	AAT/NAP
Start	1	End	782
GI	7488653	Score	380
Exons	1..138, 560..782		
GI Descrip.	choline kinase (EC 2.7.1.32) CK2 - soybean gi|1438881|gb|AAC49375.1| (U43839) GmCK2p [Glycine max]		

Seq. No.	48720	Seq. ID	OJ990612_41.0419.C1
Gene No.	103846	Strand	-
Start	1	End	782
Name	OJ990612_41.0419.C1.o1.tc	Method	TBLASTX:Cress
Start	16	End	617
GI	none	Score	72
Exons	16..111, 16..138, 20..139, 558..605, 559..606, 561..617		

Seq. No.	48720	Seq. ID	OJ990612_41.0419.C1
Gene No.	103846	Strand	-
Start	1	End	782
Name	OJ990612_41.0419.C1.o1.ts	Method	TBLASTX:Soybean
Start	16	End	761
GI	none	Score	105
Exons	16..138, 20..145, 20..145, 558..761, 566..760		

Seq. No.	48720	Seq. ID	OJ990612_41.0419.C1
Gene No.	103846	Strand	-
Start	1	End	782
Name	OJ990612_41.0419.C1.o1.gs	Method	GENSCAN
Start	21	End	778
GI	none	Score	.93
Exons	21..138, 560..778		

Seq. No.	48720	Seq. ID	OJ990612_41.0419.C1
Gene No.	103846	Strand	-
Start	1	End	782
Name	OJ990612_41.0419.C1.o1.tm	Method	TBLASTX:Maize
Start	31	End	778
GI	none	Score	130
Exons	31..138, 33..89, 34..138, 558..758, 560..778, 561..755, 566..760		

Seq. No.	48721	Seq. ID	OJ990612_41.0419.C2
Gene No.	103847	Strand	-
Start	40	End	3462
Name	OJ990612_41.0419.C2.o1.gs	Method	GENSCAN
Start	40	End	3462
GI	none	Score	.78

Exons	40..258, 2197..2268, 3405..3462		
Seq. No.	48722	Seq. ID	OJ990612_41.0419.C4
Gene No.	103848	Strand	-
Start	1876	End	10785
Name	OJ990612_41.0419.C4.o1.gs	Method	GENSCAN
Start	1876	End	10785
GI	none	Score	.75
Exons	1876..2278, 2476..4637, 4846..5038, 5839..5854, 6117..6255, 6905..7021, 7090..7233, 7324..7755, 8114..8521, 8621..8727, 9199..9260, 9770..9821, 10386..10616, 10669..10785		
Seq. No.	48722	Seq. ID	OJ990612_41.0419.C4
Gene No.	103848	Strand	-
Start	1876	End	10785
Name	OJ990612_41.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	2307	End	4232
GI	none	Score	87
Exons	2307..2591, 2718..2921, 3189..3350, 3375..3554, 3756..4151, 4059..4232		
Seq. No.	48722	Seq. ID	OJ990612_41.0419.C4
Gene No.	103848	Strand	-
Start	1876	End	10785
Name	OJ990612_41.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	2361	End	4232
GI	none	Score	97
Exons	2361..2633, 2361..2576, 2415..2543, 2523..2708, 2718..2813, 2721..2837, 2940..3008, 3009..3152, 3009..3254, 3129..3386, 3138..3350, 3438..3842, 3703..4134, 3735..4145, 3771..4040, 3771..3947, 4038..4232, 4038..4232		
Seq. No.	48722	Seq. ID	OJ990612_41.0419.C4
Gene No.	103848	Strand	-
Start	1876	End	10785
Name	OJ990612_41.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	2361	End	4205
GI	none	Score	63
Exons	2361..2672, 2739..2921, 2934..3008, 3498..3878, 3795..4121, 3795..4181, 4107..4205		
Seq. No.	48722	Seq. ID	OJ990612_41.0419.C4
Gene No.	103848	Strand	-
Start	1876	End	10785
Name	OJ990612_41.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	2367	End	4175
GI	none	Score	85
Exons	2367..2666, 2724..2921, 3195..3356, 3561..3872, 3792..4175, 3876..4142		
Seq. No.	48722	Seq. ID	OJ990612_41.0419.C4
Gene No.	103848	Strand	-
Start	1876	End	10785
Name	OJ990612_41.0419.C4.o1.np	Method	AAT/NAP
Start	2418	End	5570
GI	4558664	Score	462
Exons	2418..2973, 3188..3299, 3591..4201, 5534..5570		

GI Descrip. (AC007063) hypothetical protein [Arabidopsis thaliana]

Seq. No.	48722	Seq. ID	OJ990612_41.0419.C4
Gene No.	103848	Strand	-
Start	1876	End	10785
Name	OJ990612_41.0419.C4.o1.gp	Method	AAT/GAP
Start	5617	End	7378
GI	none	Score	1539
Exons	5617..6008, 6117..6255, 6905..7021, 7090..7233, 7324..7378		

Seq. No.	48722	Seq. ID	OJ990612_41.0419.C4
Gene No.	103848	Strand	-
Start	1876	End	10785
Name	OJ990612_41.0419.C4.o2.gp	Method	AAT/GAP
Start	7706	End	8518
GI	none	Score	850
Exons	7706..7755, 8114..8518		

Seq. No.	48722	Seq. ID	OJ990612_41.0419.C4
Gene No.	103848	Strand	-
Start	1876	End	10785
Name	OJ990612_41.0419.C4.o3.gp	Method	AAT/GAP
Start	8671	End	10636
GI	56594_1.R1084	Score	867
Exons	8671..8714, 8798..8859, 8949..9036, 9199..9260, 10386..10636		
GI Descrip.	'3063455 1.0e-40 (AC003981) F22O13.17 [Arabidopsis thaliana]'		

Seq. No.	48722	Seq. ID	OJ990612_41.0419.C4
Gene No.	103848	Strand	-
Start	1876	End	10785
Name	OJ990612_41.0419.C4.o2.np	Method	AAT/NAP
Start	8791	End	10484
GI	7485983	Score	320
Exons	8791..8859, 8949..9036, 9199..9260, 10386..10484		
GI Descrip.	hypothetical protein F22O13.17 - Arabidopsis thaliana gi|3063455|gb|AAC14043.1| (AC003981) F22O13.17 [Arabidopsis thaliana]		

Seq. No.	48723	Seq. ID	OJ990612_41.0419.C5
Gene No.	103849	Strand	+
Start	2003	End	7678
Name	OJ990612_41.0419.C5.o1.gs	Method	GENSCAN
Start	2003	End	7678
GI	none	Score	.75
Exons	2003..2361, 4247..4349, 4436..4842, 4940..5700, 6021..6135, 6294..6416, 7360..7403, 7521..7566, 7651..7678		

Seq. No.	48723	Seq. ID	OJ990612_41.0419.C5
Gene No.	103849	Strand	+
Start	2003	End	7678
Name	OJ990612_41.0419.C5.o1.np	Method	AAT/NAP
Start	2011	End	6405
GI	5902379	Score	428
Exons	2011..2505, 4250..4349, 4436..4547, 4755..4842, 4940..5254, 5321..5700, 6021..6135, 6294..6405		
GI Descrip.	(AC009322) Unknown protein [Arabidopsis thaliana] gi|6453852|gb|AAF09036.1|AC011717_3 (AC011717) unknown protein		

[Arabidopsis thaliana]

Seq. No.	48723	Seq. ID	OJ990612_41.0419.C5
Gene No.	103849	Strand	+
Start	2003	End	7678
Name	OJ990612_41.0419.C5.o1.gp	Method	AAT/GAP
Start	2406	End	4780
GI	3760088	Score	1041
Exons	2406..2505, 4247..4349, 4436..4780		
GI Descrip.	5902379/gb|AAD55481.1|AC009322_21 2.0e-15 (AC009322) Unknown protein [Arabidopsis thaliana]		

Seq. No.	48723	Seq. ID	OJ990612_41.0419.C5
Gene No.	103850	Strand	+
Start	7656	End	8049
Name	OJ990612_41.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	4437	End	4663
GI	none	Score	199
Exons	4437..4613, 4487..4663, 4537..4662		

Seq. No.	48723	Seq. ID	OJ990612_41.0419.C5
Gene No.	103850	Strand	+
Start	7656	End	8049
Name	OJ990612_41.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	5328	End	5699
GI	none	Score	147
Exons	5328..5501, 5330..5476, 5331..5477, 5502..5663, 5504..5662, 5657..5698, 5658..5699		

Seq. No.	48723	Seq. ID	OJ990612_41.0419.C5
Gene No.	103850	Strand	+
Start	7656	End	8049
Name	OJ990612_41.0419.C5.o2.gp	Method	AAT/GAP
Start	7656	End	8049
GI	3760452	Score	719
Exons	7656..8049		

Seq. No.	48724	Seq. ID	OJ990612_41.0419.C6
Gene No.	103851	Strand	+
Start	904	End	1028
Name	OJ990612_41.0419.C6.o1.gs	Method	GENSCAN
Start	904	End	1028
GI	none	Score	.48
Exons	904..1028		

Seq. No.	48724	Seq. ID	OJ990612_41.0419.C6
Gene No.	103852	Strand	+
Start	1479	End	1926
Name	OJ990612_41.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	1424	End	1757
GI	none	Score	180
Exons	1424..1471, 1512..1646, 1548..1646, 1589..1651, 1692..1757, 1692..1754, 1730..1756		

Seq. No.	48724	Seq. ID	OJ990612_41.0419.C6
Gene No.	103852	Strand	+
Start	1479	End	1926

Name	OJ990612_41.0419.C6.o2.gs	Method	GENSCAN
Start	1479	End	1748
GI	none	Score	.95
Exons	1479..1748		

Seq. No.	48724	Seq. ID	OJ990612_41.0419.C6
Gene No.	103852	Strand	+
Start	1479	End	1926
Name	OJ990612_41.0419.C6.o1.np	Method	AAT/NAP
Start	1506	End	1926
GI	7488654	Score	275
Exons	1506..1926		
GI Descrip.	choline kinase (EC 2.7.1.32) CK3 - soybean (fragment) gi|1438883|gb|AAC49376.1| (U43840) GmCK3p [Glycine max]		

Seq. No.	48724	Seq. ID	OJ990612_41.0419.C6
Gene No.	103852	Strand	+
Start	1479	End	1926
Name	OJ990612_41.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	1527	End	1844
GI	none	Score	129
Exons	1527..1646, 1692..1844		

Seq. No.	48724	Seq. ID	OJ990612_41.0419.C6
Gene No.	103852	Strand	+
Start	1479	End	1926
Name	OJ990612_41.0419.C6.o1.tc	Method	TBLASTX:Cress
Start	1692	End	1844
GI	none	Score	193
Exons	1692..1844		

Seq. No.	48725	Seq. ID	OJ990612_41.0419.C7
Gene No.	103853	Strand	+
Start	448	End	1930
Name	OJ990612_41.0419.C7.o1.gs	Method	GENSCAN
Start	448	End	1930
GI	none	Score	.88
Exons	448..539, 1526..1600, 1710..1930		

Seq. No.	48725	Seq. ID	OJ990612_41.0419.C7
Gene No.	103853	Strand	+
Start	448	End	1930
Name	OJ990612_41.0419.C7.o1.np	Method	AAT/NAP
Start	448	End	602
GI	6729504	Score	98
Exons	448..602		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	48725	Seq. ID	OJ990612_41.0419.C7
Gene No.	103854	Strand	-
Start	1860	End	3391
Name	OJ990612_41.0419.C7.o2.np	Method	AAT/NAP
Start	1860	End	3361
GI	3309575	Score	482
Exons	1860..1935, 2031..2143, 2248..2328, 2455..2507, 2593..2701, 2822..2881, 3008..3090, 3283..3361		
GI Descrip.	(AF060553) calcium sensor homolog [Arabidopsis thaliana]		

gi|4538989|emb|CAB39731.1| (Y18870) CBL4 protein [Arabidopsis thaliana]

Seq. No.	48725	Seq. ID	OJ990612_41.0419.C7
Gene No.	103854	Strand	-
Start	1860	End	3391
Name	OJ990612_41.0419.C7.o1.gp	Method	AAT/GAP
Start	1870	End	2341
GI	2311327	Score	434
Exons	1870..1935, 2031..2143, 2248..2341		
GI Descrip.	3309575 2.0e-26 (AF060553) calcium sensor homolog [Arabidopsis thaliana] >gi_4538989_emb_CAB39731.1_ (Y18870) CBL4 protein [Arabidopsis thaliana]		

Seq. No.	48725	Seq. ID	OJ990612_41.0419.C7
Gene No.	103854	Strand	-
Start	1860	End	3391
Name	OJ990612_41.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	1884	End	3344
GI	none	Score	40
Exons	1884..1937, 2030..2146, 2081..2146, 2249..2329, 2251..2334, 2452..2505, 2600..2713, 2601..2699, 2612..2701, 2796..2882, 2819..2890, 3008..3103, 3287..3343, 3297..3344		

Seq. No.	48725	Seq. ID	OJ990612_41.0419.C7
Gene No.	103854	Strand	-
Start	1860	End	3391
Name	OJ990612_41.0419.C7.o1.tw	Method	TBLASTX:Wheat
Start	1884	End	2323
GI	none	Score	71
Exons	1884..1967, 1885..1935, 1994..2143, 2030..2140, 2034..2198, 2243..2323, 2248..2322		

Seq. No.	48725	Seq. ID	OJ990612_41.0419.C7
Gene No.	103854	Strand	-
Start	1860	End	3391
Name	OJ990612_41.0419.C7.o2.gs	Method	GENSCAN
Start	2027	End	3391
GI	none	Score	.5
Exons	2027..2143, 2455..2507, 2593..2701, 3008..3101, 3283..3391		

Seq. No.	48725	Seq. ID	OJ990612_41.0419.C7
Gene No.	103854	Strand	-
Start	1860	End	3391
Name	OJ990612_41.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	2042	End	2701
GI	none	Score	66
Exons	2042..2146, 2228..2329, 2251..2334, 2452..2505, 2598..2696, 2600..2701		

Seq. No.	48725	Seq. ID	OJ990612_41.0419.C7
Gene No.	103854	Strand	-
Start	1860	End	3391
Name	OJ990612_41.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	2066	End	3088
GI	none	Score	61
Exons	2066..2134, 2243..2329, 2251..2331, 2452..2511, 2594..2704,		

2597..2701, 2613..2714, 2796..2882, 2819..2890, 3008..3088

Seq. No.	48725	Seq. ID	OJ990612_41.0419.C7
Gene No.	103854	Strand	-
Start	1860	End	3391
Name	OJ990612_41.0419.C7.o2.tw	Method	TBLASTX:Wheat
Start	2452	End	2890
GI	none	Score	48
Exons	2452..2505, 2453..2506, 2598..2702, 2600..2704, 2625..2714, 2805..2882, 2819..2890		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103855	Strand	+
Start	454	End	6606
Name	OJ990612_41.0419.C8.o1.gs	Method	GENSCAN
Start	454	End	2877
GI	none	Score	.7
Exons	454..2877		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103855	Strand	+
Start	454	End	6606
Name	OJ990612_41.0419.C8.o1.np	Method	AAT/NAP
Start	454	End	6603
GI	7228457	Score	9217
Exons	454..817, 879..2814, 2878..3712, 3835..4986, 5053..6603		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103855	Strand	+
Start	454	End	6606
Name	OJ990612_41.0419.C8.o2.gs	Method	GENSCAN
Start	2941	End	6606
GI	none	Score	.98
Exons	2941..6606		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103856	Strand	+
Start	11587	End	12069
Name	OJ990612_41.0419.C8.o4.np	Method	AAT/NAP
Start	11587	End	12069
GI	5042454	Score	293
Exons	11587..11783, 12016..12069		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103857	Strand	-
Start	7221	End	10524
Name	OJ990612_41.0419.C8.o3.gs	Method	GENSCAN
Start	7221	End	7553
GI	none	Score	.99
Exons	7221..7553		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103857	Strand	-

Start	7221	End	10524
Name	OJ990612_41.0419.C8.o2.np	Method	AAT/NAP
Start	7224	End	10524
GI	6907089	Score	4163
Exons	7224..9167, 9267..10524		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103857	Strand	-
Start	7221	End	10524
Name	OJ990612_41.0419.C8.o4.gs	Method	GENSCAN
Start	7679	End	10524
GI	none	Score	.87
Exons	7679..8482, 8540..9167, 9267..9410, 9425..10524		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o6.tw	Method	TBLASTX:Wheat
Start	1105	End	1497
GI	none	Score	57
Exons	1105..1152, 1159..1257, 1176..1256, 1224..1385, 1240..1497		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o4.tm	Method	TBLASTX:Maize
Start	1110	End	1395
GI	none	Score	193
Exons	1110..1394, 1147..1395		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o5.tw	Method	TBLASTX:Wheat
Start	1505	End	4965
GI	none	Score	234
Exons	1505..1558, 4504..4755, 4531..4755, 4596..4769, 4816..4965, 4825..4962, 4827..4964		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o3.tw	Method	TBLASTX:Wheat
Start	2235	End	2718
GI	none	Score	408
Exons	2235..2408, 2236..2718, 2430..2690		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	2885	End	3348
GI	none	Score	191
Exons	2885..3328, 2886..3347, 2887..3348		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8

Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o3.ts	Method	TBLASTX:Soybean
Start	2926	End	3291
GI	none	Score	109
Exons	2926..3150, 3157..3291		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	3016	End	3372
GI	none	Score	391
Exons	3016..3372, 3051..3362, 3067..3372		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	3399	End	3783
GI	none	Score	355
Exons	3399..3764, 3400..3783		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o2.tw	Method	TBLASTX:Wheat
Start	3456	End	3881
GI	none	Score	478
Exons	3456..3881, 3457..3876		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	3535	End	3906
GI	none	Score	277
Exons	3535..3906, 3552..3695		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o2.ts	Method	TBLASTX:Soybean
Start	4654	End	5220
GI	5666795	Score	68
Exons	4654..4752, 4828..4965, 5020..5220		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o8.tw	Method	TBLASTX:Wheat
Start	4968	End	5280
GI	none	Score	192
Exons	4968..5144, 5020..5280		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8

Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	5473	End	5805
GI	none	Score	362
Exons	5473..5796, 5490..5783, 5593..5805		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o4.tw	Method	TBLASTX:Wheat
Start	5610	End	6011
GI	none	Score	377
Exons	5610..5666, 5611..5991, 5712..6011		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o7.tw	Method	TBLASTX:Wheat
Start	6016	End	6594
GI	none	Score	242
Exons	6016..6282, 6033..6275, 6040..6408, 6468..6590, 6469..6594		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o5.tm	Method	TBLASTX:Maize
Start	6463	End	6644
GI	none	Score	192
Exons	6463..6630, 6468..6644		

Seq. No.	48726	Seq. ID	OJ990612_41.0419.C8
Gene No.	103858	Strand	-
Start	11186	End	11312
Name	OJ990612_41.0419.C8.o3.np	Method	AAT/NAP
Start	11186	End	11312
GI	7523512	Score	112
Exons	11186..11312		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48727	Seq. ID	OJ990612_41.0419.C10
Gene No.	103859	Strand	+
Start	39	End	1824
Name	OJ990612_41.0419.C10.o1.np	Method	AAT/NAP
Start	39	End	1824
GI	6939222	Score	91
Exons	39..66, 1588..1725, 1786..1824		
GI Descrip.	(AC020579) putative choline kinase [Arabidopsis thaliana]		

Seq. No.	48727	Seq. ID	OJ990612_41.0419.C10
Gene No.	103859	Strand	+
Start	39	End	1824
Name	OJ990612_41.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	1580	End	1719
GI	none	Score	203
Exons	1580..1705, 1585..1719, 1587..1712		

Seq. No.	48728	Seq. ID	OJ990612_41.0419.C11
Gene No.	103860	Strand	+
Start	2376	End	7921
Name	OJ990612_41.0419.C11.o1.gs	Method	GENSCAN
Start	2376	End	7380
GI	none	Score	.85
Exons	2376..2421, 3271..3311, 3539..3642, 3742..3873, 4139..4183, 4283..4452, 4687..4772, 4861..4968, 5588..5717, 5822..5921, 6008..6139, 6419..6463, 6547..6716, 6839..6924, 7023..7130, 7240..7380		

Seq. No.	48728	Seq. ID	OJ990612_41.0419.C11
Gene No.	103860	Strand	+
Start	2376	End	7921
Name	OJ990612_41.0419.C11.o1.gp	Method	AAT/GAP
Start	2966	End	4409
GI	uC-osroM202013d02b1	Score	916
Exons	2966..3034, 3236..3393, 3742..3873, 4139..4183, 4283..4409		
GI Descrip.	'3831463 1.0e-37 (AC005700) unknown protein [Arabidopsis thaliana]'		

Seq. No.	48728	Seq. ID	OJ990612_41.0419.C11
Gene No.	103860	Strand	+
Start	2376	End	7921
Name	OJ990612_41.0419.C11.o1.np	Method	AAT/NAP
Start	3288	End	7921
GI	4582470	Score	917
Exons	3288..3393, 3742..3873, 4139..4183, 4283..4452, 4687..4772, 4861..5011, 5822..5921, 6008..6139, 6419..6463, 6547..6716, 6839..6924, 7023..7142, 7892..7921		
GI Descrip.	(AC007071) unknown protein [Arabidopsis thaliana]		

Seq. No.	48728	Seq. ID	OJ990612_41.0419.C11
Gene No.	103861	Strand	-
Start	7865	End	8310
Name	OJ990612_41.0419.C11.o2.tc	Method	TBLASTX:Cress
Start	3365	End	7144
GI	none	Score	70
Exons	3365..3409, 3733..3873, 3734..3877, 4237..4446, 4277..4453, 4280..4459, 4281..4460, 4689..4772, 4691..4744, 4854..4976, 4861..4968, 5999..6139, 6000..6137, 6544..6714, 6545..6724, 6816..6923, 6841..6924, 7017..7130, 7022..7144		

Seq. No.	48728	Seq. ID	OJ990612_41.0419.C11
Gene No.	103861	Strand	-
Start	7865	End	8310
Name	OJ990612_41.0419.C11.o3.tm	Method	TBLASTX:Maize
Start	3740	End	7362
GI	none	Score	166
Exons	3740..3874, 3742..3873, 4854..4970, 4859..4969, 4861..4971, 5581..5727, 5587..5718, 5588..5722, 5819..5899, 5842..5898, 6001..6135, 6001..6144, 6006..6140, 6416..6463, 7014..7133, 7022..7132, 7318..7362		

Seq. No.	48728	Seq. ID	OJ990612_41.0419.C11
Gene No.	103861	Strand	-
Start	7865	End	8310

Name	OJ990612_41.0419.C11.o2.tm	Method	TBLASTX:Maize
Start	4277	End	6733
GI	none	Score	208
Exons	4277..4456, 4280..4456, 4281..4460, 4285..4461, 6541..6726, 6545..6733, 6560..6727		

Seq. No.	48728	Seq. ID	OJ990612_41.0419.C11
Gene No.	103861	Strand	-
Start	7865	End	8310
Name	OJ990612_41.0419.C11.o2.gs	Method	GENSCAN
Start	7865	End	8206
GI	none	Score	.62
Exons	7865..7974, 8173..8206		

Seq. No.	48728	Seq. ID	OJ990612_41.0419.C11
Gene No.	103861	Strand	-
Start	7865	End	8310
Name	OJ990612_41.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	7866	End	8201
GI	none	Score	82
Exons	7866..7988, 7895..8071, 7898..8068, 8172..8201		

Seq. No.	48728	Seq. ID	OJ990612_41.0419.C11
Gene No.	103861	Strand	-
Start	7865	End	8310
Name	OJ990612_41.0419.C11.o2.np	Method	AAT/NAP
Start	7886	End	8310
GI	4204695	Score	322
Exons	7886..8069, 8173..8310		
GI Descrip.	(AF117062) putative inositol polyphosphate 5-phosphatase At5P1 [Arabidopsis thaliana]		

Seq. No.	48728	Seq. ID	OJ990612_41.0419.C11
Gene No.	103861	Strand	-
Start	7865	End	8310
Name	OJ990612_41.0419.C11.o1.tc	Method	TBLASTX:Cress
Start	7898	End	8310
GI	none	Score	72
Exons	7898..8083, 7898..8068, 8167..8310, 8172..8309		

Seq. No.	48728	Seq. ID	OJ990612_41.0419.C11
Gene No.	103861	Strand	-
Start	7865	End	8310
Name	OJ990612_41.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	7952	End	8310
GI	none	Score	127
Exons	7952..8071, 7952..8068, 7954..8070, 8167..8310, 8172..8309		

Seq. No.	48729	Seq. ID	OJ990612_41.0419.C12
Gene No.	103862	Strand	-
Start	1	End	3670
Name	OJ990612_41.0419.C12.o1.np	Method	AAT/NAP
Start	1	End	3559
GI	7239498	Score	631
Exons	1..209, 491..1267, 1577..1681, 1942..2018, 3508..3559		
GI Descrip.	(AC012654) Contains similarity to the inositol-1,4,5-trisphosphate 5-Phosphatase from Arabidopsis		

thaliana gi|6117853

Seq. No.	48729	Seq. ID	OJ990612_41.0419.C12
Gene No.	103862	Strand	-
Start	1	End	3670
Name	OJ990612_41.0419.C12.o1.gs	Method	GENSCAN
Start	25	End	3670
GI	none	Score	.58
Exons	25..209, 613..1267, 1577..1681, 1942..2029, 2636..2698, 3514..3670		

Seq. No.	48729	Seq. ID	OJ990612_41.0419.C12
Gene No.	103863	Strand	-
Start	4620	End	5631
Name	OJ990612_41.0419.C12.o1.tm	Method	TBLASTX:Maize
Start	18	End	684
GI	none	Score	188
Exons	18..212, 24..212, 479..508, 505..645, 506..631, 508..684		

Seq. No.	48729	Seq. ID	OJ990612_41.0419.C12
Gene No.	103863	Strand	-
Start	4620	End	5631
Name	OJ990612_41.0419.C12.o1.ts	Method	TBLASTX:Soybean
Start	42	End	622
GI	none	Score	80
Exons	42..212, 73..210, 473..508, 505..615, 506..622		

Seq. No.	48729	Seq. ID	OJ990612_41.0419.C12
Gene No.	103863	Strand	-
Start	4620	End	5631
Name	OJ990612_41.0419.C12.o1.tc	Method	TBLASTX:Cress
Start	66	End	2003
GI	none	Score	70
Exons	66..212, 67..210, 72..212, 77..214, 479..508, 505..636, 506..631, 1045..1263, 1088..1264, 1102..1272, 1576..1683, 1579..1680, 1941..2003		

Seq. No.	48729	Seq. ID	OJ990612_41.0419.C12
Gene No.	103863	Strand	-
Start	4620	End	5631
Name	OJ990612_41.0419.C12.o2.tm	Method	TBLASTX:Maize
Start	1099	End	2009
GI	none	Score	110
Exons	1099..1266, 1100..1267, 1576..1602, 1612..1683, 1941..2009		

Seq. No.	48729	Seq. ID	OJ990612_41.0419.C12
Gene No.	103863	Strand	-
Start	4620	End	5631
Name	OJ990612_41.0419.C12.o2.gs	Method	GENSCAN
Start	4620	End	5631
GI	none	Score	.73
Exons	4620..4864, 5556..5631		

Seq. No.	48730	Seq. ID	OJ990612_41.0419.C13
Gene No.	103864	Strand	-
Start	1	End	6693
Name	OJ990612_41.0419.C13.o1.np	Method	AAT/NAP

Start	1	End	1318
GI	5803254	Score	559
Exons	1..158, 241..404, 504..1318		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	48730	Seq. ID	OJ990612_41.0419.C13
Gene No.	103864	Strand	-
Start	1	End	6693
Name	OJ990612_41.0419.C13.o2.tm	Method	TBLASTX:Maize
Start	2	End	4661
GI	none	Score	49
Exons	2..55, 6..65, 50..100, 51..98, 4326..4445, 4327..4440, 4338..4448, 4509..4661, 4531..4659		

Seq. No.	48730	Seq. ID	OJ990612_41.0419.C13
Gene No.	103864	Strand	-
Start	1	End	6693
Name	OJ990612_41.0419.C13.o1.gs	Method	GENSCAN
Start	47	End	6693
GI	none	Score	.54
Exons	47..151, 258..416, 516..1067, 1193..1351, 1432..1538, 2142..2354, 4472..4712, 5135..5819, 5826..5968, 6049..6155, 6639..6693		

Seq. No.	48730	Seq. ID	OJ990612_41.0419.C13
Gene No.	103864	Strand	-
Start	1	End	6693
Name	OJ990612_41.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	252	End	5519
GI	none	Score	78
Exons	252..335, 253..321, 354..425, 355..405, 504..593, 525..632, 682..894, 690..899, 4837..4905, 4838..4906, 5133..5213, 5144..5251, 5301..5519, 5303..5518		

Seq. No.	48730	Seq. ID	OJ990612_41.0419.C13
Gene No.	103864	Strand	-
Start	1	End	6693
Name	OJ990612_41.0419.C13.o2.np	Method	AAT/NAP
Start	4326	End	5935
GI	5803254	Score	700
Exons	4326..4712, 4843..4992, 5135..5935		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	48731	Seq. ID	OJ990612_41.0419.C14
Gene No.	103865	Strand	+
Start	62	End	3926
Name	OJ990612_41.0419.C14.o1.np	Method	AAT/NAP
Start	62	End	2974
GI	6223646	Score	1201
Exons	62..421, 1864..2974		
GI Descrip.	(AC011698) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	48731	Seq. ID	OJ990612_41.0419.C14

Gene No.	103865	Strand	+
Start	62	End	3926
Name	OJ990612_41.0419.C14.o1.gs	Method	GENSCAN
Start	63	End	3926
GI	none	Score	.81
Exons	63..421, 1864..2622, 2823..2993, 3542..3591, 3775..3926		

Seq. No.	48731	Seq. ID	OJ990612_41.0419.C14
Gene No.	103866	Strand	-
Start	4493	End	4804
Name	OJ990612_41.0419.C14.o2.tm	Method	TBLASTX:Maize
Start	131	End	1990
GI	none	Score	244
Exons	131..427, 147..428, 1859..1990, 1861..1977		

Seq. No.	48731	Seq. ID	OJ990612_41.0419.C14
Gene No.	103866	Strand	-
Start	4493	End	4804
Name	OJ990612_41.0419.C14.o2.tc	Method	TBLASTX:Cress
Start	153	End	401
GI	none	Score	208
Exons	153..401, 161..397		

Seq. No.	48731	Seq. ID	OJ990612_41.0419.C14
Gene No.	103866	Strand	-
Start	4493	End	4804
Name	OJ990612_41.0419.C14.o3.ts	Method	TBLASTX:Soybean
Start	153	End	2116
GI	none	Score	217
Exons	153..410, 161..322, 201..392, 1859..2041, 1861..2016, 2045..2116		

Seq. No.	48731	Seq. ID	OJ990612_41.0419.C14
Gene No.	103866	Strand	-
Start	4493	End	4804
Name	OJ990612_41.0419.C14.o1.tc	Method	TBLASTX:Cress
Start	1859	End	2284
GI	none	Score	195
Exons	1859..2041, 1861..2016, 2044..2196, 2045..2146, 2144..2284, 2159..2278		

Seq. No.	48731	Seq. ID	OJ990612_41.0419.C14
Gene No.	103866	Strand	-
Start	4493	End	4804
Name	OJ990612_41.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	2063	End	2953
GI	none	Score	522
Exons	2063..2563, 2077..2544, 2600..2953, 2605..2898		

Seq. No.	48731	Seq. ID	OJ990612_41.0419.C14
Gene No.	103866	Strand	-
Start	4493	End	4804
Name	OJ990612_41.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	2207	End	2458
GI	none	Score	287
Exons	2207..2458, 2254..2457, 2303..2458		

Seq. No.	48731	Seq. ID	OJ990612_41.0419.C14

Gene No.	103866	Strand	-
Start	4493	End	4804
Name	OJ990612_41.0419.C14.o2.ts	Method	TBLASTX:Soybean
Start	2656	End	2965
GI	none	Score	249
Exons	2656..2853, 2675..2965		

Seq. No.	48731	Seq. ID	OJ990612_41.0419.C14
Gene No.	103866	Strand	-
Start	4493	End	4804
Name	OJ990612_41.0419.C14.o3.tc	Method	TBLASTX:Cress
Start	2672	End	2890
GI	none	Score	201
Exons	2672..2890, 2674..2871		

Seq. No.	48731	Seq. ID	OJ990612_41.0419.C14
Gene No.	103866	Strand	-
Start	4493	End	4804
Name	OJ990612_41.0419.C14.o2.gs	Method	GENSCAN
Start	4493	End	4804
GI	none	Score	.85
Exons	4493..4804		

Seq. No.	48732	Seq. ID	OJ990612_41.0419.C17
Gene No.	103868	Strand	+
Start	2989	End	4825
Name	OJ990612_41.0419.C17.o1.gs	Method	GENSCAN
Start	2989	End	4825
GI	none	Score	.45
Exons	2989..3222, 3356..3530, 3566..3694, 4683..4825		

Seq. No.	48733	Seq. ID	OJ990612_41.0419.C18
Gene No.	103869	Strand	-
Start	3735	End	3900
Name	OJ990612_41.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	3674	End	3896
GI	none	Score	217
Exons	3674..3895, 3711..3896, 3733..3894		

Seq. No.	48733	Seq. ID	OJ990612_41.0419.C18
Gene No.	103869	Strand	-
Start	3735	End	3900
Name	OJ990612_41.0419.C18.o1.np	Method	AAT/NAP
Start	3735	End	3900
GI	6850868	Score	201
Exons	3735..3900		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	48734	Seq. ID	OJ990822_42.0419.C2
Gene No.	103870	Strand	+
Start	383	End	794
Name	OJ990822_42.0419.C2.o1.gp	Method	AAT/GAP
Start	383	End	794
GI	576771	Score	609
Exons	383..625, 652..794		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	48734	Seq. ID	OJ990822_42.0419.C2
Gene No.	103871	Strand	-
Start	263	End	794
Name	OJ990822_42.0419.C2.o1.gs	Method	GENSCAN
Start	263	End	794
GI	none	Score	1
Exons	263..327, 653..794		

Seq. No.	48735	Seq. ID	OJ990822_42.0419.C3
Gene No.	103872	Strand	-
Start	677	End	1262
Name	OJ990822_42.0419.C3.o1.gs	Method	GENSCAN
Start	677	End	1262
GI	none	Score	.75
Exons	677..760, 1161..1262		

Seq. No.	48736	Seq. ID	OJ990822_42.0419.C5
Gene No.	103873	Strand	+
Start	700	End	1848
Name	OJ990822_42.0419.C5.o1.gs	Method	GENSCAN
Start	700	End	1848
GI	none	Score	.93
Exons	700..1848		

Seq. No.	48737	Seq. ID	OJ990822_42.0419.C8
Gene No.	103874	Strand	+
Start	2660	End	4794
Name	OJ990822_42.0419.C8.o2.gs	Method	GENSCAN
Start	2660	End	4794
GI	none	Score	.51
Exons	2660..3355, 3694..3978, 4684..4794		

Seq. No.	48737	Seq. ID	OJ990822_42.0419.C8
Gene No.	103875	Strand	+
Start	5935	End	9074
Name	OJ990822_42.0419.C8.o3.gs	Method	GENSCAN
Start	5935	End	9074
GI	none	Score	.7
Exons	5935..6084, 7382..7483, 7674..7732, 8696..9074		

Seq. No.	48737	Seq. ID	OJ990822_42.0419.C8
Gene No.	103875	Strand	+
Start	5935	End	9074
Name	OJ990822_42.0419.C8.o2.gp	Method	AAT/GAP
Start	8939	End	9074
GI	uC-osflcyp033f05b1	Score	245
Exons	8939..9074		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	48737	Seq. ID	OJ990822_42.0419.C8
Gene No.	103876	Strand	-
Start	1	End	1735
Name	OJ990822_42.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	1693
GI	465602	Score	229

Exons	1..35, 731..791, 938..997, 1134..1216, 1355..1465, 1582..1693
GI Descrip.	HYPOTHETICAL 32.9 KD PROTEIN IN NFO-FRUA INTERGENIC REGION gi|7465972|pir||D64985 hypothetical 32.9 kD protein in nfo-fruA intergenic region - Escherichia coli (strain K-12) gi|405885|gb|AAA60517.1| (U00007) yeiN [Escherichia coli] gi|1788490|gb|AAC75226.1| (AE000306) orf, hypothetical protein [Escherichia coli] gi|744200|prf||2014253BL yeiN gene [Escherichia coli]

Seq. No.	48737	Seq. ID	OJ990822_42.0419.C8
Gene No.	103876	Strand	-
Start	1	End	1735
Name	OJ990822_42.0419.C8.o1.gp	Method	AAT/GAP
Start	713	End	1735
GI	23560_1.R1084	Score	799
Exons	713..791, 938..997, 1134..1216, 1355..1465, 1582..1735		
GI Descrip.	'465602/sp|P33025|YEIN_ECOLI 2.0e-23 HYPOTHETICAL 32.9 KD PROTEIN IN NFO-FRUA INTERGENIC REGION >gi_405885 (U00007) yeiN [Escherichia coli] >gi_1788490 (AE000306) orf, hypothetical protein [Escherichia coli] >gi_744200_prf__2014253BL yeiN gene [Escherichia coli]'		

Seq. No.	48737	Seq. ID	OJ990822_42.0419.C8
Gene No.	103876	Strand	-
Start	1	End	1735
Name	OJ990822_42.0419.C8.o2.ts	Method	TBLASTX:Soybean
Start	1128	End	1467
GI	none	Score	72
Exons	1128..1220, 1132..1218, 1321..1467, 1341..1466		

Seq. No.	48737	Seq. ID	OJ990822_42.0419.C8
Gene No.	103876	Strand	-
Start	1	End	1735
Name	OJ990822_42.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	1170	End	1669
GI	none	Score	69
Exons	1170..1220, 1171..1218, 1353..1466, 1354..1467, 1369..1470, 1580..1615, 1580..1669		

Seq. No.	48737	Seq. ID	OJ990822_42.0419.C8
Gene No.	103876	Strand	-
Start	1	End	1735
Name	OJ990822_42.0419.C8.o1.gs	Method	GENSCAN
Start	1355	End	1669
GI	none	Score	.93
Exons	1355..1465, 1582..1669		

Seq. No.	48737	Seq. ID	OJ990822_42.0419.C8
Gene No.	103877	Strand	
Start	2918	End	3358
Name	OJ990822_42.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	2918	End	3358
GI	none	Score	303
Exons	2918..3139, 2932..3138, 3146..3358, 3232..3315		

Seq. No.	48737	Seq. ID	OJ990822_42.0419.C8
Gene No.	103877	Strand	

Start	2918	End	3358
Name	OJ990822_42.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	3095	End	3358
GI	none	Score	381
Exons	3095..3358, 3095..3163, 3232..3354		

Seq. No.	48737	Seq. ID	OJ990822_42.0419.C8
Gene No.	103877	Strand	
Start	2918	End	3358
Name	OJ990822_42.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	3191	End	3358
GI	none	Score	238
Exons	3191..3358, 3235..3357		

Seq. No.	48737	Seq. ID	OJ990822_42.0419.C8
Gene No.	103878	Strand	
Start	8829	End	9074
Name	OJ990822_42.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	8829	End	9074
GI	none	Score	219
Exons	8829..8903, 8859..9074, 8880..9014, 8894..9016, 9025..9072		

Seq. No.	48738	Seq. ID	OJ990822_42.0419.C9
Gene No.	103879	Strand	+
Start	19	End	825
Name	OJ990822_42.0419.C9.o1.tw	Method	TBLASTX:Wheat
Start	1	End	815
GI	none	Score	161
Exons	1..141, 1..144, 2..145, 768..815, 777..815		

Seq. No.	48738	Seq. ID	OJ990822_42.0419.C9
Gene No.	103879	Strand	+
Start	19	End	825
Name	OJ990822_42.0419.C9.o1.gp	Method	AAT/GAP
Start	19	End	825
GI	8451_1.R1084	Score	296
Exons	19..141, 769..825		
GI Descrip.	'606751 2.0e-14 (L34934) RNA binding protein [Drosophila melanogaster]'		

Seq. No.	48739	Seq. ID	OJ990822_42.0419.C10
Gene No.	103880	Strand	-
Start	14	End	1656
Name	OJ990822_42.0419.C10.o1.gs	Method	GENSCAN
Start	14	End	1656
GI	none	Score	.79
Exons	14..291, 388..549, 1581..1656		

Seq. No.	48740	Seq. ID	OJ990822_42.0419.C12
Gene No.	103881	Strand	+
Start	22	End	97
Name	OJ990822_42.0419.C12.o1.gs	Method	GENSCAN
Start	22	End	97
GI	none	Score	.88
Exons	22..97		

Seq. No.	48741	Seq. ID	OJ990822_42.0419.C13

Gene No.	103882	Strand	+
Start	2007	End	2197
Name	OJ990822_42.0419.C13.o1.gs	Method	GENSCAN
Start	2007	End	2197
GI	none	Score	.5
Exons	2007..2197		

Seq. No.	48742	Seq. ID	OJ990822_42.0419.C16
Gene No.	103883	Strand	+
Start	1	End	1126
Name	OJ990822_42.0419.C16.o1.np	Method	AAT/NAP
Start	1	End	1126
GI	7339707	Score	138
Exons	1..238, 316..363, 1021..1126		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	48742	Seq. ID	OJ990822_42.0419.C16
Gene No.	103883	Strand	+
Start	1	End	1126
Name	OJ990822_42.0419.C16.o1.gs	Method	GENSCAN
Start	316	End	752
GI	none	Score	.48
Exons	316..363, 526..591, 614..752		

Seq. No.	48742	Seq. ID	OJ990822_42.0419.C16
Gene No.	103884	Strand	+
Start	1595	End	2819
Name	OJ990822_42.0419.C16.o2.gs	Method	GENSCAN
Start	1595	End	2819
GI	none	Score	.54
Exons	1595..1783, 2631..2819		

Seq. No.	48742	Seq. ID	OJ990822_42.0419.C16
Gene No.	103885	Strand	-
Start	4150	End	4434
Name	OJ990822_42.0419.C16.o1.gp	Method	AAT/GAP
Start	3776	End	4434
GI	15476_1.R1084	Score	1297
Exons	3776..4434		
GI Descrip.	'169363 6.0e-25 (M75856) PVPR3 [Phaseolus vulgaris]'		

Seq. No.	48742	Seq. ID	OJ990822_42.0419.C16
Gene No.	103885	Strand	-
Start	4150	End	4434
Name	OJ990822_42.0419.C16.o1.tw	Method	TBLASTX:Wheat
Start	4135	End	4342
GI	none	Score	84
Exons	4135..4203, 4141..4341, 4244..4342		

Seq. No.	48742	Seq. ID	OJ990822_42.0419.C16
Gene No.	103885	Strand	-
Start	4150	End	4434
Name	OJ990822_42.0419.C16.o1.tc	Method	TBLASTX:Cress
Start	4142	End	4342
GI	none	Score	50
Exons	4142..4189, 4147..4341, 4244..4342		

Seq. No.	48742	Seq. ID	OJ990822_42.0419.C16
Gene No.	103885	Strand	-
Start	4150	End	4434
Name	OJ990822_42.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	4147	End	4342
GI	none	Score	37
Exons	4147..4341, 4148..4189, 4241..4342		

Seq. No.	48742	Seq. ID	OJ990822_42.0419.C16
Gene No.	103885	Strand	-
Start	4150	End	4434
Name	OJ990822_42.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	4150	End	4339
GI	none	Score	58
Exons	4150..4338, 4153..4203, 4244..4339		

Seq. No.	48742	Seq. ID	OJ990822_42.0419.C16
Gene No.	103885	Strand	-
Start	4150	End	4434
Name	OJ990822_42.0419.C16.o3.gs	Method	GENSCAN
Start	4150	End	4359
GI	none	Score	.51
Exons	4150..4359		

Seq. No.	48742	Seq. ID	OJ990822_42.0419.C16
Gene No.	103885	Strand	-
Start	4150	End	4434
Name	OJ990822_42.0419.C16.o2.np	Method	AAT/NAP
Start	4153	End	4434
GI	7488772	Score	276
Exons	4153..4434		
GI Descrip.	pathogenesis-related protein 3 - kidney bean gi|169363|gb|AAA33773.1| (M75856) PVPR3 [Phaseolus vulgaris]		

Seq. No.	48743	Seq. ID	OJ990822_42.0419.C18
Gene No.	103886	Strand	+
Start	148	End	414
Name	OJ990822_42.0419.C18.o1.gs	Method	GENSCAN
Start	148	End	414
GI	none	Score	.96
Exons	148..316, 386..414		

Seq. No.	48743	Seq. ID	OJ990822_42.0419.C18
Gene No.	103887	Strand	-
Start	1	End	1869
Name	OJ990822_42.0419.C18.o1.np	Method	AAT/NAP
Start	1	End	1869
GI	5852093	Score	101
Exons	1..77, 1708..1869		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	48743	Seq. ID	OJ990822_42.0419.C18
Gene No.	103887	Strand	-
Start	1	End	1869
Name	OJ990822_42.0419.C18.o2.gs	Method	GENSCAN
Start	709	End	1824
GI	none	Score	.75

Exons	709..824, 901..1048, 1708..1824		
Seq. No.	48744	Seq. ID	OJ990822_42.0419.C19
Gene No.	103888	Strand	+
Start	3096	End	3179
Name	OJ990822_42.0419.C19.o1.gp	Method	AAT/GAP
Start	3096	End	3179
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	3096..3179		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	48744	Seq. ID	OJ990822_42.0419.C19
Gene No.	103889	Strand	-
Start	2291	End	3688
Name	OJ990822_42.0419.C19.o1.gs	Method	GENSCAN
Start	2291	End	3688
GI	none	Score	.67
Exons	2291..2502, 3586..3688		
Seq. No.	48745	Seq. ID	OJ990822_42.0419.C20
Gene No.	103890	Strand	-
Start	839	End	1018
Name	OJ990822_42.0419.C20.o1.gp	Method	AAT/GAP
Start	839	End	1018
GI	8451_1.R1084	Score	287
Exons	839..1018		
GI Descrip.	'606751 2.0e-14 (L34934) RNA binding protein [Drosophila melanogaster]'		
Seq. No.	48745	Seq. ID	OJ990822_42.0419.C20
Gene No.	103890	Strand	-
Start	839	End	1018
Name	OJ990822_42.0419.C20.o1.tm	Method	TBLASTX:Maize
Start	843	End	1018
GI	none	Score	58
Exons	843..899, 843..881, 896..1018, 897..1016, 898..1017, 899..1018		
Seq. No.	48746	Seq. ID	OJ990822_42.0419.C22
Gene No.	103891	Strand	+
Start	531	End	1557
Name	OJ990822_42.0419.C22.o1.gs	Method	GENSCAN
Start	531	End	1557
GI	none	Score	.48
Exons	531..610, 1263..1557		
Seq. No.	48746	Seq. ID	OJ990822_42.0419.C22
Gene No.	103892	Strand	-
Start	1	End	1396
Name	OJ990822_42.0419.C22.o1.np	Method	AAT/NAP
Start	1	End	1396
GI	1168547	Score	52
Exons	1..65, 1246..1396		
GI Descrip.	HOMEOBOX-LEUCINE ZIPPER PROTEIN ATHB-6 (HD-ZIP PROTEIN ATHB-6) gi|629505|pir||S47136 homeotic protein Athb-6 - Arabidopsis thaliana gi|499162|emb|CAA47427.1| (X67034) Athb-6 [Arabidopsis		

thaliana]

Seq. No.	48746	Seq. ID	OJ990822_42.0419.C22
Gene No.	103893	Strand	-
Start	2934	End	3814
Name	OJ990822_42.0419.C22.o2.gs	Method	GENSCAN
Start	2934	End	3814
GI	none	Score	.52
Exons	2934..3246, 3773..3814		

Seq. No.	48747	Seq. ID	OJ990822_42.0419.C23
Gene No.	103894	Strand	+
Start	1	End	916
Name	OJ990822_42.0419.C23.o1.np	Method	AAT/NAP
Start	1	End	916
GI	7141306	Score	354
Exons	1..192, 239..407, 535..736, 777..916		
GI Descrip.	(AF225703) RSH2 [Arabidopsis thaliana]		

Seq. No.	48747	Seq. ID	OJ990822_42.0419.C23
Gene No.	103894	Strand	+
Start	1	End	916
Name	OJ990822_42.0419.C23.o1.gs	Method	GENSCAN
Start	39	End	672
GI	none	Score	.97
Exons	39..407, 565..672		

Seq. No.	48747	Seq. ID	OJ990822_42.0419.C23
Gene No.	103894	Strand	+
Start	1	End	916
Name	OJ990822_42.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	255	End	588
GI	none	Score	218
Exons	255..416, 287..406, 526..585, 532..588, 534..587		

Seq. No.	48747	Seq. ID	OJ990822_42.0419.C23
Gene No.	103894	Strand	+
Start	1	End	916
Name	OJ990822_42.0419.C23.o1.tc	Method	TBLASTX:Cress
Start	384	End	724
GI	none	Score	41
Exons	384..416, 532..660, 534..653, 544..660, 656..724, 659..721, 667..723		

Seq. No.	48748	Seq. ID	OJ990822_42.0419.C24
Gene No.	103895	Strand	+
Start	63	End	116
Name	OJ990822_42.0419.C24.o1.gs	Method	GENSCAN
Start	63	End	116
GI	none	Score	.73
Exons	63..116		

Seq. No.	48748	Seq. ID	OJ990822_42.0419.C24
Gene No.	103896	Strand	+
Start	395	End	967
Name	OJ990822_42.0419.C24.o1.gp	Method	AAT/GAP
Start	395	End	967

GI	LIB3477-003-P1-K1-E9	Score	130
Exons	395..432, 896..967		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	48749	Seq. ID	OJ990822_42.0419.C25
Gene No.	103897	Strand	-
Start	464	End	1528
Name	OJ990822_42.0419.C25.o1.gs	Method	GENSCAN
Start	464	End	1528
GI	none	Score	.82
Exons	464..1116, 1193..1347, 1362..1528		

Seq. No.	48750	Seq. ID	OJ990822_42.0419.C27
Gene No.	103898	Strand	+
Start	1281	End	1670
Name	OJ990822_42.0419.C27.o1.gs	Method	GENSCAN
Start	1281	End	1670
GI	none	Score	.94
Exons	1281..1359, 1436..1510, 1555..1670		

Seq. No.	48750	Seq. ID	OJ990822_42.0419.C27
Gene No.	103899	Strand	-
Start	1	End	4155
Name	OJ990822_42.0419.C27.o1.np	Method	AAT/NAP
Start	1	End	4155
GI	5080823	Score	18
Exons	1..27, 1520..1624, 3739..3896, 4134..4155		
GI Descrip.	(AC007258) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48750	Seq. ID	OJ990822_42.0419.C27
Gene No.	103899	Strand	-
Start	1	End	4155
Name	OJ990822_42.0419.C27.o2.gs	Method	GENSCAN
Start	3322	End	4145
GI	none	Score	.88
Exons	3322..3637, 3775..4145		

Seq. No.	48751	Seq. ID	OJ990822_42.0419.C28
Gene No.	103900	Strand	+
Start	670	End	1131
Name	OJ990822_42.0419.C28.o1.gs	Method	GENSCAN
Start	670	End	1131
GI	none	Score	.72
Exons	670..1131		

Seq. No.	48752	Seq. ID	OJ990822_42.0419.C29
Gene No.	103901	Strand	-
Start	713	End	1509
Name	OJ990822_42.0419.C29.o1.np	Method	AAT/NAP
Start	713	End	1509
GI	4006829	Score	497
Exons	713..901, 938..1509		
GI Descrip.	(AC005970) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	48752	Seq. ID	OJ990822_42.0419.C29

Gene No.	103901	Strand	-
Start	713	End	1509
Name	OJ990822_42.0419.C29.o1.ts	Method	TBLASTX:Soybean
Start	1005	End	1471
GI	none	Score	67
Exons	1005..1025, 1034..1183, 1034..1186, 1053..1184, 1184..1471, 1205..1456, 1224..1466		

Seq. No.	48752	Seq. ID	OJ990822_42.0419.C29
Gene No.	103901	Strand	-
Start	713	End	1509
Name	OJ990822_42.0419.C29.o1.tm	Method	TBLASTX:Maize
Start	1028	End	1463
GI	none	Score	181
Exons	1028..1186, 1028..1186, 1184..1462, 1188..1463		

Seq. No.	48752	Seq. ID	OJ990822_42.0419.C29
Gene No.	103901	Strand	-
Start	713	End	1509
Name	OJ990822_42.0419.C29.o1.tc	Method	TBLASTX:Cress
Start	1049	End	1471
GI	none	Score	42
Exons	1049..1186, 1184..1471, 1209..1250, 1284..1466, 1295..1471		

Seq. No.	48752	Seq. ID	OJ990822_42.0419.C29
Gene No.	103901	Strand	-
Start	713	End	1509
Name	OJ990822_42.0419.C29.o1.tw	Method	TBLASTX:Wheat
Start	1076	End	1478
GI	none	Score	109
Exons	1076..1186, 1080..1187, 1184..1477, 1188..1478		

Seq. No.	48753	Seq. ID	OJ990822_42.0419.C30
Gene No.	103902	Strand	-
Start	278	End	2742
Name	OJ990822_42.0419.C30.o1.np	Method	AAT/NAP
Start	278	End	1295
GI	4006829	Score	489
Exons	278..431, 655..790, 892..1295		
GI Descrip.	(AC005970) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	48753	Seq. ID	OJ990822_42.0419.C30
Gene No.	103902	Strand	-
Start	278	End	2742
Name	OJ990822_42.0419.C30.o1.tm	Method	TBLASTX:Maize
Start	293	End	1045
GI	none	Score	135
Exons	293..415, 295..423, 295..420, 656..790, 656..790, 891..911, 892..918, 922..954, 961..1044, 995..1045		

Seq. No.	48753	Seq. ID	OJ990822_42.0419.C30
Gene No.	103902	Strand	-
Start	278	End	2742
Name	OJ990822_42.0419.C30.o1.ts	Method	TBLASTX:Soybean
Start	293	End	1137
GI	none	Score	120
Exons	293..415, 295..420, 656..787, 669..788, 892..918, 893..919,		

922..1137, 923..1072

Seq. No.	48753	Seq. ID	OJ990822_42.0419.C30
Gene No.	103902	Strand	-
Start	278	End	2742
Name	OJ990822_42.0419.C30.o1.gs	Method	GENSCAN
Start	295	End	2742
GI	none	Score	.73
Exons	295..431, 655..790, 892..1444, 2717..2742		

Seq. No.	48753	Seq. ID	OJ990822_42.0419.C30
Gene No.	103902	Strand	-
Start	278	End	2742
Name	OJ990822_42.0419.C30.o1.tc	Method	TBLASTX:Cress
Start	295	End	1104
GI	none	Score	86
Exons	295..417, 296..412, 656..790, 669..752, 892..918, 979..1104		

Seq. No.	48753	Seq. ID	OJ990822_42.0419.C30
Gene No.	103902	Strand	-
Start	278	End	2742
Name	OJ990822_42.0419.C30.o1.tw	Method	TBLASTX:Wheat
Start	322	End	1032
GI	none	Score	112
Exons	322..420, 323..430, 641..778, 642..746, 653..799, 892..918, 922..1032		

Seq. No.	48754	Seq. ID	OJ990822_42.0419.C31
Gene No.	103903	Strand	+
Start	359	End	526
Name	OJ990822_42.0419.C31.o1.gs	Method	GENSCAN
Start	359	End	526
GI	none	Score	.91
Exons	359..526		

Seq. No.	48754	Seq. ID	OJ990822_42.0419.C31
Gene No.	103904	Strand	-
Start	1295	End	1700
Name	OJ990822_42.0419.C31.o2.gs	Method	GENSCAN
Start	1295	End	1700
GI	none	Score	.4
Exons	1295..1367, 1657..1700		

Seq. No.	48755	Seq. ID	OJ990822_42.0419.C32
Gene No.	103905	Strand	+
Start	541	End	1556
Name	OJ990822_42.0419.C32.o1.gs	Method	GENSCAN
Start	541	End	1478
GI	none	Score	.53
Exons	541..695, 1356..1478		

Seq. No.	48755	Seq. ID	OJ990822_42.0419.C32
Gene No.	103905	Strand	+
Start	541	End	1556
Name	OJ990822_42.0419.C32.o1.gp	Method	AAT/GAP
Start	1173	End	1556
GI	4878407	Score	600

Exons	1173..1556		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		
Seq. No.	48756	Seq. ID	OJ990822_42.0419.C33
Gene No.	103906	Strand	+
Start	443	End	758
Name	OJ990822_42.0419.C33.o1.gs	Method	GENSCAN
Start	443	End	758
GI	none	Score	.65
Exons	443..520, 680..758		
Seq. No.	48757	Seq. ID	OJ990822_42.0419.C34
Gene No.	103907	Strand	-
Start	457	End	771
Name	OJ990822_42.0419.C34.o1.gs	Method	GENSCAN
Start	457	End	771
GI	none	Score	.63
Exons	457..593, 746..771		
Seq. No.	48758	Seq. ID	OJ990822_42.0419.C35
Gene No.	103908	Strand	+
Start	223	End	828
Name	OJ990822_42.0419.C35.o1.gs	Method	GENSCAN
Start	223	End	828
GI	none	Score	.74
Exons	223..828		
Seq. No.	48759	Seq. ID	OJ990822_42.0419.C36
Gene No.	103909	Strand	-
Start	196	End	1005
Name	OJ990822_42.0419.C36.o1.gs	Method	GENSCAN
Start	196	End	1005
GI	none	Score	.66
Exons	196..302, 951..1005		
Seq. No.	48759	Seq. ID	OJ990822_42.0419.C36
Gene No.	103910	Strand	-
Start	3066	End	3229
Name	OJ990822_42.0419.C36.o2.gs	Method	GENSCAN
Start	3066	End	3229
GI	none	Score	.59
Exons	3066..3229		
Seq. No.	48760	Seq. ID	OJ990822_42.0419.C37
Gene No.	103911	Strand	+
Start	243	End	876
Name	OJ990822_42.0419.C37.o1.gs	Method	GENSCAN
Start	243	End	876
GI	none	Score	.45
Exons	243..477, 677..876		
Seq. No.	48760	Seq. ID	OJ990822_42.0419.C37
Gene No.	103912	Strand	-
Start	1	End	346
Name	OJ990822_42.0419.C37.o1.np	Method	AAT/NAP
Start	1	End	346

GI	5091497	Score	86
Exons	1..346		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	48761	Seq. ID	OJ990822_42.0419.C40
Gene No.	103913	Strand	+
Start	1539	End	2513
Name	OJ990822_42.0419.C40.o1.np	Method	AAT/NAP
Start	1539	End	2513
GI	4836928	Score	601
Exons	1539..2079, 2161..2513		
GI Descrip.	(AC006085) Similar to protein kinases [Arabidopsis thaliana]		

Seq. No.	48761	Seq. ID	OJ990822_42.0419.C40
Gene No.	103913	Strand	+
Start	1539	End	2513
Name	OJ990822_42.0419.C40.o1.gs	Method	GENSCAN
Start	1588	End	2468
GI	none	Score	.98
Exons	1588..2468		

Seq. No.	48761	Seq. ID	OJ990822_42.0419.C40
Gene No.	103913	Strand	+
Start	1539	End	2513
Name	OJ990822_42.0419.C40.o1.tm	Method	TBLASTX:Maize
Start	1618	End	2025
GI	none	Score	68
Exons	1618..1686, 1684..1731, 1708..2025, 1734..2024		

Seq. No.	48761	Seq. ID	OJ990822_42.0419.C40
Gene No.	103913	Strand	+
Start	1539	End	2513
Name	OJ990822_42.0419.C40.o1.gp	Method	AAT/GAP
Start	1678	End	2046
GI	uC-osf1M202049e08b1	Score	701
Exons	1678..2046		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	48761	Seq. ID	OJ990822_42.0419.C40
Gene No.	103913	Strand	+
Start	1539	End	2513
Name	OJ990822_42.0419.C40.o1.tc	Method	TBLASTX:Cress
Start	1747	End	2511
GI	none	Score	265
Exons	1747..2058, 1905..2057, 2353..2511, 2361..2492		

Seq. No.	48761	Seq. ID	OJ990822_42.0419.C40
Gene No.	103913	Strand	+
Start	1539	End	2513
Name	OJ990822_42.0419.C40.o1.ts	Method	TBLASTX:Soybean
Start	1951	End	2513
GI	none	Score	147
Exons	1951..2067, 1965..2057, 2284..2343, 2341..2511, 2355..2513		

Seq. No.	48761	Seq. ID	OJ990822_42.0419.C40

Gene No.	103913	Strand	+
Start	1539	End	2513
Name	OJ990822_42.0419.C40.o2.tm	Method	TBLASTX:Maize
Start	2361	End	2513
GI	none	Score	260
Exons	2361..2513, 2362..2511		

Seq. No.	48762	Seq. ID	OJ990822_42.0419.C41
Gene No.	103914	Strand	+
Start	967	End	1004
Name	OJ990822_42.0419.C41.o1.gs	Method	GENSCAN
Start	967	End	1004
GI	none	Score	.64
Exons	967..1004		

Seq. No.	48763	Seq. ID	OJ990822_42.0419.C42
Gene No.	103915	Strand	+
Start	536	End	3443
Name	OJ990822_42.0419.C42.o1.gs	Method	GENSCAN
Start	536	End	2325
GI	none	Score	.88
Exons	536..559, 2165..2325		

Seq. No.	48763	Seq. ID	OJ990822_42.0419.C42
Gene No.	103915	Strand	+
Start	536	End	3443
Name	OJ990822_42.0419.C42.o1.gp	Method	AAT/GAP
Start	971	End	1077
GI	3760640	Score	74
Exons	971..1077		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	48763	Seq. ID	OJ990822_42.0419.C42
Gene No.	103915	Strand	+
Start	536	End	3443
Name	OJ990822_42.0419.C42.o1.np	Method	AAT/NAP
Start	1644	End	3443
GI	7340909	Score	158
Exons	1644..1701, 2944..3443		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	48764	Seq. ID	OJ990822_42.0419.C43
Gene No.	103916	Strand	-
Start	31	End	937
Name	OJ990822_42.0419.C43.o1.np	Method	AAT/NAP
Start	31	End	937
GI	7340909	Score	122
Exons	31..265, 642..937		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	48765	Seq. ID	OJ990822_42.0419.C44
Gene No.	103917	Strand	+
Start	1	End	4901
Name	OJ990822_42.0419.C44.o1.np	Method	AAT/NAP
Start	1	End	369
GI	7485503	Score	314

Exons	1..369		
GI Descrip.	hypothetical protein F15B8.20 - Arabidopsis thaliana gi|4678268|emb|CAB41176.1| (AL049660) putative protein [Arabidopsis thaliana]		
Seq. No.	48765	Seq. ID	OJ990822_42.0419.C44
Gene No.	103917	Strand	+
Start	1	End	4901
Name	OJ990822_42.0419.C44.o1.gs	Method	GENSCAN
Start	79	End	4901
GI	none	Score	.84
Exons	79..224, 4483..4643, 4759..4901		
Seq. No.	48765	Seq. ID	OJ990822_42.0419.C44
Gene No.	103917	Strand	+
Start	1	End	4901
Name	OJ990822_42.0419.C44.o1.tc	Method	TBLASTX:Cress
Start	126	End	357
GI	none	Score	96
Exons	126..185, 127..186, 168..356, 178..357		
Seq. No.	48765	Seq. ID	OJ990822_42.0419.C44
Gene No.	103917	Strand	+
Start	1	End	4901
Name	OJ990822_42.0419.C44.o1.tm	Method	TBLASTX:Maize
Start	126	End	354
GI	none	Score	119
Exons	126..185, 127..186, 177..311, 178..354		
Seq. No.	48765	Seq. ID	OJ990822_42.0419.C44
Gene No.	103917	Strand	+
Start	1	End	4901
Name	OJ990822_42.0419.C44.o1.ts	Method	TBLASTX:Soybean
Start	126	End	354
GI	none	Score	107
Exons	126..185, 127..186, 168..305, 178..354		
Seq. No.	48765	Seq. ID	OJ990822_42.0419.C44
Gene No.	103917	Strand	+
Start	1	End	4901
Name	OJ990822_42.0419.C44.o1.tw	Method	TBLASTX:Wheat
Start	127	End	351
GI	none	Score	91
Exons	127..186, 129..185, 168..314, 178..351		
Seq. No.	48766	Seq. ID	OJ990822_42.0419.C45
Gene No.	103918	Strand	-
Start	373	End	2957
Name	OJ990822_42.0419.C45.o1.gs	Method	GENSCAN
Start	373	End	2957
GI	none	Score	.42
Exons	373..500, 2820..2957		
Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o1.np	Method	AAT/NAP

Start	1	End	3427
GI	4567304	Score	1271
Exons	1..32, 925..1364, 1454..1563, 1609..1749, 1923..2129, 2231..2404, 2580..2768, 2871..2984, 3107..3339, 3376..3427		
GI Descrip.	(AC005956) unknown protein [Arabidopsis thaliana]		

Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o4.tm	Method	TBLASTX:Maize
Start	583	End	849
GI	none	Score	87
Exons	583..660, 605..664, 641..682, 652..696, 718..849, 719..835, 736..846		

Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o1.gs	Method	GENSCAN
Start	585	End	3418
GI	none	Score	.72
Exons	585..1364, 1454..1560, 1565..1749, 1923..2129, 2231..2404, 2580..2768, 3098..3418		

Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o1.gp	Method	AAT/GAP
Start	770	End	1151
GI	none	Score	733
Exons	770..1151		

Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o2.tc	Method	TBLASTX:Cress
Start	1111	End	1586
GI	none	Score	292
Exons	1111..1365, 1188..1364, 1442..1516, 1452..1586		

Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o2.tm	Method	TBLASTX:Maize
Start	1122	End	1505
GI	none	Score	327
Exons	1122..1364, 1123..1365, 1124..1366, 1442..1504, 1452..1505		

Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o2.gp	Method	AAT/GAP
Start	1313	End	2433
GI	17332_1.R1084	Score	1284
Exons	1313..1364, 1454..1749, 1923..2129, 2231..2433		
GI Descrip.	'4567304/gb|AAD23715.1|AC005956_4 5.0e-40 (AC005956) unknown protein [Arabidopsis thaliana]'		

Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o2.ts	Method	TBLASTX:Soybean
Start	1481	End	2338
GI	none	Score	100
Exons	1481..1519, 1482..1625, 1579..1629, 1645..1749, 1656..1748, 1946..2131, 1947..2132, 2230..2295, 2231..2302, 2246..2338		

Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o3.tm	Method	TBLASTX:Maize
Start	1550	End	1749
GI	none	Score	62
Exons	1550..1621, 1550..1621, 1620..1748, 1621..1749, 1621..1749		

Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o1.tc	Method	TBLASTX:Cress
Start	1647	End	2738
GI	none	Score	137
Exons	1647..1751, 1648..1752, 1920..1976, 1949..2059, 1953..2066, 1976..2077, 2067..2132, 2069..2131, 2227..2385, 2230..2421, 2231..2407, 2580..2636, 2661..2738		

Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o1.tm	Method	TBLASTX:Maize
Start	2045	End	3190
GI	none	Score	149
Exons	2045..2131, 2046..2132, 2229..2402, 2230..2421, 2231..2407, 2568..2771, 2568..2774, 2584..2775, 2872..2982, 2873..2980, 2873..2983, 2880..2990, 2883..2993, 3082..3189, 3095..3190		

Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o1.ts	Method	TBLASTX:Soybean
Start	2341	End	3424
GI	none	Score	109
Exons	2341..2421, 2342..2407, 2580..2645, 2582..2620, 2631..2771, 2637..2774, 2876..2983, 2880..2990, 3095..3271, 3133..3324, 3371..3424		

Seq. No.	48767	Seq. ID	OJ990822_42.0419.C46
Gene No.	103919	Strand	+
Start	1	End	3452
Name	OJ990822_42.0419.C46.o5.tm	Method	TBLASTX:Maize
Start	3265	End	3452
GI	none	Score	141
Exons	3265..3441, 3267..3425, 3267..3452, 3292..3441		

Seq. No.	48768	Seq. ID	OJ990822_42.0419.C47

Gene No.	103920	Strand	+
Start	61	End	940
Name	OJ990822_42.0419.C47.o1.gs	Method	GENSCAN
Start	61	End	940
GI	none	Score	.56
Exons	61..78, 459..529, 856..940		

Seq. No.	48769	Seq. ID	OJ990822_42.0419.C48
Gene No.	103921	Strand	+
Start	4240	End	6043
Name	OJ990822_42.0419.C48.o2.gs	Method	GENSCAN
Start	4240	End	6043
GI	none	Score	.71
Exons	4240..4590, 4728..4773, 5749..5876, 5900..6043		

Seq. No.	48769	Seq. ID	OJ990822_42.0419.C48
Gene No.	103922	Strand	-
Start	1193	End	2591
Name	OJ990822_42.0419.C48.o1.gp	Method	AAT/GAP
Start	1193	End	2591
GI	720_1.R1084	Score	1042
Exons	1193..1595, 2462..2591		
GI Descrip.	'1173027/sp|P46290|RL31_NICGU 9.0e-43 60S RIBOSOMAL PROTEIN L31 >gi_915313 (U23784) ribosomal protein L31 [Nicotiana glutinosa]'		

Seq. No.	48769	Seq. ID	OJ990822_42.0419.C48
Gene No.	103922	Strand	-
Start	1193	End	2591
Name	OJ990822_42.0419.C48.o1.np	Method	AAT/NAP
Start	1319	End	2547
GI	7229709	Score	499
Exons	1319..1595, 2462..2547		
GI Descrip.	(AF237624) 80S ribosomal protein L31 [Perilla frutescens]		

Seq. No.	48769	Seq. ID	OJ990822_42.0419.C48
Gene No.	103923	Strand	-
Start	7140	End	7933
Name	OJ990822_42.0419.C48.o1.tw	Method	TBLASTX:Wheat
Start	1195	End	7284
GI	none	Score	43
Exons	1195..1314, 1205..1243, 1303..1548, 1310..1594, 1313..1591, 1335..1595, 1485..1595, 2462..2518, 2462..2497, 2467..2523, 7205..7255, 7205..7252, 7207..7284, 7207..7254		

Seq. No.	48769	Seq. ID	OJ990822_42.0419.C48
Gene No.	103923	Strand	-
Start	7140	End	7933
Name	OJ990822_42.0419.C48.o1.tm	Method	TBLASTX:Maize
Start	1264	End	7255
GI	none	Score	367
Exons	1264..1323, 1307..1594, 1310..1594, 1314..1595, 1485..1595, 2462..2524, 2462..2497, 2467..2523, 7205..7255, 7205..7252, 7207..7254		

Seq. No.	48769	Seq. ID	OJ990822_42.0419.C48
Gene No.	103923	Strand	-
Start	7140	End	7933

Name	OJ990822_42.0419.C48.o1.tc	Method	TBLASTX:Cress
Start	1298	End	7255
GI	none	Score	189
Exons	1298..1426, 1325..1591, 1393..1437, 1472..1594, 1479..1595, 1488..1595, 2462..2524, 2464..2523, 7205..7255, 7210..7254		

Seq. No.	48769	Seq. ID	OJ990822_42.0419.C48
Gene No.	103923	Strand	-
Start	7140	End	7933
Name	OJ990822_42.0419.C48.o1.ts	Method	TBLASTX:Soybean
Start	1306	End	7255
GI	none	Score	230
Exons	1306..1461, 1316..1594, 1319..1594, 1383..1595, 1485..1595, 2462..2524, 2467..2523, 7205..7255, 7207..7254		

Seq. No.	48769	Seq. ID	OJ990822_42.0419.C48
Gene No.	103923	Strand	-
Start	7140	End	7933
Name	OJ990822_42.0419.C48.o3.gs	Method	GENSCAN
Start	7140	End	7933
GI	none	Score	.48
Exons	7140..7161, 7199..7364, 7534..7933		

Seq. No.	48770	Seq. ID	OJ990822_42.0419.C49
Gene No.	103924	Strand	
Start	288	End	486
Name	OJ990822_42.0419.C49.o3.tm	Method	TBLASTX:Maize
Start	288	End	486
GI	none	Score	75
Exons	288..452, 288..455, 289..486		

Seq. No.	48770	Seq. ID	OJ990822_42.0419.C49
Gene No.	103925	Strand	
Start	544	End	1687
Name	OJ990822_42.0419.C49.o2.tm	Method	TBLASTX:Maize
Start	544	End	759
GI	none	Score	267
Exons	544..759, 556..750		

Seq. No.	48770	Seq. ID	OJ990822_42.0419.C49
Gene No.	103925	Strand	
Start	544	End	1687
Name	OJ990822_42.0419.C49.o2.ts	Method	TBLASTX:Soybean
Start	553	End	990
GI	none	Score	113
Exons	553..735, 751..990		

Seq. No.	48770	Seq. ID	OJ990822_42.0419.C49
Gene No.	103925	Strand	
Start	544	End	1687
Name	OJ990822_42.0419.C49.o1.tm	Method	TBLASTX:Maize
Start	766	End	1663
GI	none	Score	115
Exons	766..963, 945..1061, 1046..1102, 1217..1306, 1352..1474, 1511..1663		

Seq. No.	48770	Seq. ID	OJ990822_42.0419.C49

Gene No.	103925	Strand	
Start	544	End	1687
Name	OJ990822_42.0419.C49.o1.ts	Method	TBLASTX:Soybean
Start	1217	End	1687
GI	none	Score	111
Exons	1217..1462, 1505..1687, 1505..1663, 1549..1668		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103926	Strand	+
Start	6431	End	6901
Name	OJ990822_42.0419.C54.o3.gs	Method	GENSCAN
Start	6431	End	6901
GI	none	Score	.73
Exons	6431..6449, 6464..6610, 6822..6901		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103927	Strand	+
Start	8417	End	10560
Name	OJ990822_42.0419.C54.o2.np	Method	AAT/NAP
Start	8417	End	10560
GI	544134	Score	544
Exons	8417..8560, 8661..9643, 10496..10560		
GI Descrip.	DNA-DAMAGE-REPAIR/TOLERATION PROTEIN DRT100 PRECURSOR gi|99720|pir||S22863 hypothetical protein - Arabidopsis thaliana gi|421844|pir||A46260 DRT100 protein precursor - Arabidopsis thaliana (fragment) gi|5701788|emb|CAA47109.2| (X66482) orf [Arabidopsis thaliana]		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103928	Strand	-
Start	1	End	3766
Name	OJ990822_42.0419.C54.o1.np	Method	AAT/NAP
Start	1	End	3766
GI	6729524	Score	321
Exons	1..82, 556..654, 758..798, 886..968, 1115..1160, 3745..3766		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103928	Strand	-
Start	1	End	3766
Name	OJ990822_42.0419.C54.o1.gs	Method	GENSCAN
Start	715	End	3122
GI	none	Score	.65
Exons	715..798, 886..1007, 1115..1437, 2273..2512, 2919..3020, 3109..3122		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103929	Strand	-
Start	3987	End	5579
Name	OJ990822_42.0419.C54.o2.gs	Method	GENSCAN
Start	3987	End	5579
GI	none	Score	.65
Exons	3987..4022, 4410..4504, 4633..4686, 4716..4863, 5541..5579		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103930	Strand	-
Start	8843	End	9619

Name	OJ990822_42.0419.C54.o1.tm	Method	TBLASTX:Maize
Start	1	End	1633
GI	none	Score	117
Exons	1..90, 5..82, 5..91, 555..653, 559..654, 562..663, 748..798, 749..799, 756..800, 875..1009, 883..1008, 884..1009, 1111..1182, 1113..1166, 1113..1202, 1114..1197, 1165..1305, 1194..1304, 1311..1571, 1312..1470, 1319..1558, 1320..1559, 1556..1633		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103930	Strand	-
Start	8843	End	9619
Name	OJ990822_42.0419.C54.o2.tc	Method	TBLASTX:Cress
Start	1	End	1151
GI	none	Score	66
Exons	1..90, 17..82, 548..643, 555..653, 559..654, 560..655, 748..798, 749..799, 875..1009, 883..1011, 1113..1151		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103930	Strand	-
Start	8843	End	9619
Name	OJ990822_42.0419.C54.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1017
GI	none	Score	76
Exons	1..81, 558..653, 559..654, 743..799, 748..798, 875..1006, 883..1017		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103930	Strand	-
Start	8843	End	9619
Name	OJ990822_42.0419.C54.o2.ts	Method	TBLASTX:Soybean
Start	567	End	994
GI	none	Score	119
Exons	567..653, 568..654, 573..656, 574..663, 748..798, 749..799, 875..994, 883..993, 908..994		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103930	Strand	-
Start	8843	End	9619
Name	OJ990822_42.0419.C54.o3.tm	Method	TBLASTX:Maize
Start	8580	End	8908
GI	none	Score	68
Exons	8580..8630, 8630..8677, 8662..8901, 8663..8908		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103930	Strand	-
Start	8843	End	9619
Name	OJ990822_42.0419.C54.o1.ts	Method	TBLASTX:Soybean
Start	8596	End	9619
GI	none	Score	43
Exons	8596..8622, 8630..8779, 8638..8778, 8785..8904, 8786..8896, 8887..9186, 8888..9619, 8938..9177, 8945..9541, 8950..9105, 8971..9183, 9095..9187, 9116..9538, 9247..9606, 9284..9373, 9367..9600		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103930	Strand	-
Start	8843	End	9619

Name	OJ990822_42.0419.C54.o1.tc	Method	TBLASTX:Cress
Start	8630	End	9619
GI	none	Score	182
Exons	8630..8779, 8638..8778, 8786..8896, 8788..8892, 8888..8953, 8888..9187, 8915..9277, 8924..9106, 8926..9033, 8945..9355, 8950..9108, 8971..9183, 8996..9178, 9017..9100, 9017..9415, 9055..9183, 9089..9487, 9146..9322, 9161..9226, 9161..9538, 9230..9313, 9281..9466, 9355..9606, 9356..9619, 9377..9541, 9413..9538		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103930	Strand	-
Start	8843	End	9619
Name	OJ990822_42.0419.C54.o1.gp	Method	AAT/GAP
Start	8843	End	9131
GI	uC-osflM202123f05b1	Score	531
Exons	8843..9131		
GI Descrip.	'1710124 2.0e-13 (U62279) leucine-rich repeat-containing extracellular glycoprotein contains six N-glycosylation sites [NX(S/T)] [Sorghum bicolor]'		

Seq. No.	48771	Seq. ID	OJ990822_42.0419.C54
Gene No.	103930	Strand	-
Start	8843	End	9619
Name	OJ990822_42.0419.C54.o2.tm	Method	TBLASTX:Maize
Start	8909	End	9619
GI	none	Score	123
Exons	8909..9178, 8927..9313, 8950..9105, 9071..9394, 9215..9619, 9286..9606		

Seq. No.	48772	Seq. ID	OJ990822_42.0419.C55
Gene No.	103931	Strand	-
Start	200	End	476
Name	OJ990822_42.0419.C55.o1.gs	Method	GENSCAN
Start	200	End	476
GI	none	Score	.52
Exons	200..476		

Seq. No.	48773	Seq. ID	OJ990822_42.0419.C56
Gene No.	103932	Strand	+
Start	251	End	1312
Name	OJ990822_42.0419.C56.o1.gs	Method	GENSCAN
Start	251	End	1312
GI	none	Score	.88
Exons	251..315, 1180..1312		

Seq. No.	48773	Seq. ID	OJ990822_42.0419.C56
Gene No.	103933	Strand	+
Start	4796	End	5359
Name	OJ990822_42.0419.C56.o2.gp	Method	AAT/GAP
Start	4750	End	5359
GI	none	Score	1188
Exons	4750..5359		

Seq. No.	48773	Seq. ID	OJ990822_42.0419.C56
Gene No.	103933	Strand	+
Start	4796	End	5359

Name	OJ990822_42.0419.C56.o3.gs	Method	GENSCAN
Start	4796	End	5011
GI	none	Score	.83
Exons	4796..5011		

Seq. No.	48773	Seq. ID	OJ990822_42.0419.C56
Gene No.	103934	Strand	-
Start	2611	End	3898
Name	OJ990822_42.0419.C56.o2.gs	Method	GENSCAN
Start	2611	End	3898
GI	none	Score	.67
Exons	2611..2902, 3054..3266, 3474..3541, 3788..3898		

Seq. No.	48773	Seq. ID	OJ990822_42.0419.C56
Gene No.	103935	Strand	-
Start	4345	End	4408
Name	OJ990822_42.0419.C56.o1.gp	Method	AAT/GAP
Start	4345	End	4408
GI	uC-osflcyp158c04a1	Score	77
Exons	4345..4408		
GI Descrip.	'4581164/gb|AAD24647.1|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	48773	Seq. ID	OJ990822_42.0419.C56
Gene No.	103936	Strand	-
Start	6006	End	6976
Name	OJ990822_42.0419.C56.o4.gs	Method	GENSCAN
Start	6006	End	6976
GI	none	Score	.68
Exons	6006..6057, 6126..6310, 6702..6796, 6922..6976		

Seq. No.	48774	Seq. ID	OJ990822_42.0419.C57
Gene No.	103937	Strand	+
Start	1	End	914
Name	OJ990822_42.0419.C57.o1.np	Method	AAT/NAP
Start	1	End	914
GI	6069654	Score	348
Exons	1..914		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	48775	Seq. ID	OJ990822_42.0419.C60
Gene No.	103938	Strand	+
Start	126	End	1238
Name	OJ990822_42.0419.C60.o1.gs	Method	GENSCAN
Start	126	End	1238
GI	none	Score	.45
Exons	126..433, 574..740, 844..1238		

Seq. No.	48776	Seq. ID	OJ990822_42.0419.C61
Gene No.	103939	Strand	+
Start	3713	End	5630
Name	OJ990822_42.0419.C61.o3.gs	Method	GENSCAN
Start	3713	End	5630
GI	none	Score	.63
Exons	3713..3783, 4495..4741, 5424..5630		

Seq. No.	48776	Seq. ID	OJ990822_42.0419.C61

Gene No.	103940	Strand	+
Start	7715	End	7829
Name	OJ990822_42.0419.C61.o4.gs	Method	GENSCAN
Start	7715	End	7829
GI	none	Score	.78
Exons	7715..7829		

Seq. No.	48776	Seq. ID	OJ990822_42.0419.C61
Gene No.	103941	Strand	-
Start	1898	End	2601
Name	OJ990822_42.0419.C61.o2.gs	Method	GENSCAN
Start	1898	End	2601
GI	none	Score	.95
Exons	1898..2047, 2303..2437, 2542..2601		

Seq. No.	48777	Seq. ID	OJ990822_42.0419.C63
Gene No.	103942	Strand	+
Start	1	End	752
Name	OJ990822_42.0419.C63.o1.np	Method	AAT/NAP
Start	1	End	752
GI	6006375	Score	1199
Exons	1..752		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	48777	Seq. ID	OJ990822_42.0419.C63
Gene No.	103942	Strand	+
Start	1	End	752
Name	OJ990822_42.0419.C63.o1.gs	Method	GENSCAN
Start	86	End	660
GI	none	Score	.4
Exons	86..660		

Seq. No.	48778	Seq. ID	OJ990822_42.0419.C64
Gene No.	103943	Strand	+
Start	1	End	221
Name	OJ990822_42.0419.C64.o1.gp	Method	AAT/GAP
Start	1	End	221
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	1..59, 170..221		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	48778	Seq. ID	OJ990822_42.0419.C64
Gene No.	103944	Strand	-
Start	217	End	1371
Name	OJ990822_42.0419.C64.o2.gp	Method	AAT/GAP
Start	217	End	743
GI	21466_1.R1084	Score	944
Exons	217..743		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	48778	Seq. ID	OJ990822_42.0419.C64
Gene No.	103944	Strand	-
Start	217	End	1371

Name	OJ990822_42.0419.C64.o1.gs	Method	GENSCAN
Start	511	End	1371
GI	none	Score	.48
Exons	511..645, 1281..1371		

Seq. No.	48779	Seq. ID	OJ990822_42.0419.C65
Gene No.	103945	Strand	+
Start	70	End	1750
Name	OJ990822_42.0419.C65.o1.gs	Method	GENSCAN
Start	70	End	1750
GI	none	Score	.48
Exons	70..149, 1439..1543, 1679..1750		

Seq. No.	48779	Seq. ID	OJ990822_42.0419.C65
Gene No.	103946	Strand	-
Start	2925	End	3041
Name	OJ990822_42.0419.C65.o2.gs	Method	GENSCAN
Start	2925	End	3041
GI	none	Score	.92
Exons	2925..3041		

Seq. No.	48780	Seq. ID	OJ990822_42.0419.C67
Gene No.	103947	Strand	-
Start	28	End	3008
Name	OJ990822_42.0419.C67.o1.gs	Method	GENSCAN
Start	28	End	2871
GI	none	Score	.67
Exons	28..465, 2215..2871		

Seq. No.	48780	Seq. ID	OJ990822_42.0419.C67
Gene No.	103947	Strand	-
Start	28	End	3008
Name	OJ990822_42.0419.C67.o1.np	Method	AAT/NAP
Start	43	End	3008
GI	7488431	Score	885
Exons	43..492, 2215..2518, 2651..2817, 2967..3008		
GI Descrip.	zinc finger protein F15B8.140 - Arabidopsis thaliana gi|4678280|emb|CAB41188.1| (AL049660) zinc finger-like protein [Arabidopsis thaliana]		

Seq. No.	48780	Seq. ID	OJ990822_42.0419.C67
Gene No.	103947	Strand	-
Start	28	End	3008
Name	OJ990822_42.0419.C67.o1.ts	Method	TBLASTX:Soybean
Start	136	End	2313
GI	none	Score	287
Exons	136..495, 143..472, 2197..2313, 2237..2308		

Seq. No.	48780	Seq. ID	OJ990822_42.0419.C67
Gene No.	103947	Strand	-
Start	28	End	3008
Name	OJ990822_42.0419.C67.o1.tm	Method	TBLASTX:Maize
Start	346	End	2335
GI	none	Score	204
Exons	346..498, 347..472, 2197..2334, 2237..2335		

Seq. No.	48781	Seq. ID	OJ990822_42.0419.C68

Gene No.	103948	Strand	-
Start	1	End	1376
Name	OJ990822_42.0419.C68.o1.np	Method	AAT/NAP
Start	1	End	1376
GI	4680186	Score	191
Exons	1..53, 218..398, 1340..1376		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48781	Seq. ID	OJ990822_42.0419.C68
Gene No.	103948	Strand	-
Start	1	End	1376
Name	OJ990822_42.0419.C68.o1.gs	Method	GENSCAN
Start	207	End	1291
GI	none	Score	.92
Exons	207..405, 1207..1291		

Seq. No.	48782	Seq. ID	OJ990822_42.0419.C69
Gene No.	103949	Strand	+
Start	978	End	2235
Name	OJ990822_42.0419.C69.o1.gs	Method	GENSCAN
Start	978	End	2235
GI	none	Score	.72
Exons	978..1014, 1679..1785, 1983..2235		

Seq. No.	48783	Seq. ID	OJ990822_42.0419.C71
Gene No.	103950	Strand	+
Start	1	End	2818
Name	OJ990822_42.0419.C71.o1.np	Method	AAT/NAP
Start	1	End	2818
GI	4680203	Score	2161
Exons	1..21, 790..2458, 2612..2818		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	48783	Seq. ID	OJ990822_42.0419.C71
Gene No.	103950	Strand	+
Start	1	End	2818
Name	OJ990822_42.0419.C71.o1.gp	Method	AAT/GAP
Start	337	End	928
GI	2310235	Score	288
Exons	337..374, 790..928		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	48783	Seq. ID	OJ990822_42.0419.C71
Gene No.	103950	Strand	+
Start	1	End	2818
Name	OJ990822_42.0419.C71.o1.gs	Method	GENSCAN
Start	790	End	2806
GI	none	Score	.57
Exons	790..878, 1645..2168, 2229..2806		

Seq. No.	48783	Seq. ID	OJ990822_42.0419.C71
Gene No.	103950	Strand	+
Start	1	End	2818
Name	OJ990822_42.0419.C71.o2.gp	Method	AAT/GAP
Start	794	End	2818
GI	342_1.R1084	Score	3304

Exons	794..2818		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	48783	Seq. ID	OJ990822_42.0419.C71
Gene No.	103950	Strand	+
Start	1	End	2818
Name	OJ990822_42.0419.C71.o3.tw	Method	TBLASTX:Wheat
Start	1129	End	1471
GI	none	Score	101
Exons	1129..1230, 1137..1244, 1156..1410, 1227..1418, 1227..1409, 1235..1414, 1238..1420, 1417..1470, 1418..1471		
Seq. No.	48783	Seq. ID	OJ990822_42.0419.C71
Gene No.	103950	Strand	+
Start	1	End	2818
Name	OJ990822_42.0419.C71.o1.ts	Method	TBLASTX:Soybean
Start	1417	End	1837
GI	none	Score	85
Exons	1417..1473, 1418..1483, 1541..1837, 1595..1819		
Seq. No.	48783	Seq. ID	OJ990822_42.0419.C71
Gene No.	103950	Strand	+
Start	1	End	2818
Name	OJ990822_42.0419.C71.o1.tc	Method	TBLASTX:Cress
Start	1570	End	1918
GI	none	Score	309
Exons	1570..1722, 1577..1918, 1762..1899		
Seq. No.	48783	Seq. ID	OJ990822_42.0419.C71
Gene No.	103950	Strand	+
Start	1	End	2818
Name	OJ990822_42.0419.C71.o1.tw	Method	TBLASTX:Wheat
Start	1706	End	2175
GI	none	Score	72
Exons	1706..1759, 1714..1758, 1760..1864, 1771..1860, 1868..1966, 1873..1965, 1876..1968, 1943..2170, 1969..2175, 2071..2175		
Seq. No.	48783	Seq. ID	OJ990822_42.0419.C71
Gene No.	103950	Strand	+
Start	1	End	2818
Name	OJ990822_42.0419.C71.o1.tm	Method	TBLASTX:Maize
Start	1751	End	2209
GI	none	Score	248
Exons	1751..2005, 1763..2005, 2015..2209		
Seq. No.	48783	Seq. ID	OJ990822_42.0419.C71
Gene No.	103950	Strand	+
Start	1	End	2818
Name	OJ990822_42.0419.C71.o2.ts	Method	TBLASTX:Soybean
Start	2045	End	2281
GI	none	Score	195
Exons	2045..2281, 2125..2223		
Seq. No.	48783	Seq. ID	OJ990822_42.0419.C71
Gene No.	103950	Strand	+
Start	1	End	2818

Name	OJ990822_42.0419.C71.o2.tw	Method	TBLASTX:Wheat
Start	2314	End	2769
GI	none	Score	87
Exons	2314..2364, 2315..2377, 2363..2605, 2383..2565, 2633..2740, 2634..2711, 2634..2762, 2638..2769, 2639..2761		

Seq. No.	48784	Seq. ID	OJ990822_42.0419.C72
Gene No.	103951	Strand	+
Start	1	End	684
Name	OJ990822_42.0419.C72.o1.gp	Method	AAT/GAP
Start	1	End	684
GI	342_1.R1084	Score	1256
Exons	1..684		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	48784	Seq. ID	OJ990822_42.0419.C72
Gene No.	103952	Strand	-
Start	726	End	3675
Name	OJ990822_42.0419.C72.o1.gs	Method	GENSCAN
Start	726	End	3675
GI	none	Score	.41
Exons	726..873, 2191..2197, 2768..2983, 3242..3301, 3633..3675		

Seq. No.	48785	Seq. ID	OJ990822_42.0419.C73
Gene No.	103953	Strand	-
Start	383	End	5447
Name	OJ990822_42.0419.C73.o1.np	Method	AAT/NAP
Start	223	End	3571
GI	4388728	Score	420
Exons	223..466, 899..974, 3168..3571		
GI Descrip.	(AC006413) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48785	Seq. ID	OJ990822_42.0419.C73
Gene No.	103953	Strand	-
Start	383	End	5447
Name	OJ990822_42.0419.C73.o1.gs	Method	GENSCAN
Start	383	End	5447
GI	none	Score	.83
Exons	383..466, 899..974, 2312..2473, 3168..3646, 4064..5447		

Seq. No.	48785	Seq. ID	OJ990822_42.0419.C73
Gene No.	103953	Strand	-
Start	383	End	5447
Name	OJ990822_42.0419.C73.o1.tm	Method	TBLASTX:Maize
Start	3382	End	3613
GI	none	Score	135
Exons	3382..3579, 3388..3555, 3399..3602, 3399..3602, 3440..3613		

Seq. No.	48785	Seq. ID	OJ990822_42.0419.C73
Gene No.	103953	Strand	-
Start	383	End	5447
Name	OJ990822_42.0419.C73.o2.np	Method	AAT/NAP
Start	4046	End	4545
GI	4388727	Score	272
Exons	4046..4545		
GI Descrip.	(AC006413) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48785	Seq. ID	OJ990822_42.0419.C73
Gene No.	103953	Strand	-
Start	383	End	5447
Name	OJ990822_42.0419.C73.o1.gp	Method	AAT/GAP
Start	4488	End	4813
GI	none	Score	604
Exons	4488..4813		

Seq. No.	48786	Seq. ID	OJ990822_42.0419.C74
Gene No.	103954	Strand	-
Start	303	End	2141
Name	OJ990822_42.0419.C74.o1.gs	Method	GENSCAN
Start	303	End	2141
GI	none	Score	.5
Exons	303..377, 1151..1212, 1614..1738, 1754..2141		

Seq. No.	48786	Seq. ID	OJ990822_42.0419.C74
Gene No.	103954	Strand	-
Start	303	End	2141
Name	OJ990822_42.0419.C74.o1.np	Method	AAT/NAP
Start	440	End	851
GI	7106514	Score	56
Exons	440..478, 745..851		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	48786	Seq. ID	OJ990822_42.0419.C74
Gene No.	103954	Strand	-
Start	303	End	2141
Name	OJ990822_42.0419.C74.o1.gp	Method	AAT/GAP
Start	1575	End	2118
GI	none	Score	1016
Exons	1575..2118		

Seq. No.	48786	Seq. ID	OJ990822_42.0419.C74
Gene No.	103955	Strand	-
Start	2151	End	2519
Name	OJ990822_42.0419.C74.o1.tm	Method	TBLASTX:Maize
Start	1567	End	1999
GI	none	Score	64
Exons	1567..1662, 1632..1685, 1637..1681, 1642..1689, 1687..1854, 1694..1858, 1695..1862, 1849..1998, 1852..1992, 1865..1999		

Seq. No.	48786	Seq. ID	OJ990822_42.0419.C74
Gene No.	103955	Strand	-
Start	2151	End	2519
Name	OJ990822_42.0419.C74.o1.ts	Method	TBLASTX:Soybean
Start	1648	End	2154
GI	none	Score	166
Exons	1648..1875, 1652..1819, 1858..1998, 1886..1999, 1993..2154, 2000..2140		

Seq. No.	48786	Seq. ID	OJ990822_42.0419.C74
Gene No.	103955	Strand	-
Start	2151	End	2519
Name	OJ990822_42.0419.C74.o2.tm	Method	TBLASTX:Maize
Start	2002	End	2142

GI	none	Score	157
Exons	2002..2142, 2003..2140, 2005..2142		

Seq. No.	48786	Seq. ID	OJ990822_42.0419.C74
Gene No.	103955	Strand	-
Start	2151	End	2519
Name	OJ990822_42.0419.C74.o2.gp	Method	AAT/GAP
Start	2151	End	2519
GI	none	Score	692
Exons	2151..2519		

Seq. No.	48787	Seq. ID	OJ990822_42.0419.C77
Gene No.	103956	Strand	-
Start	852	End	2085
Name	OJ990822_42.0419.C77.o1.gs	Method	GENSCAN
Start	852	End	2085
GI	none	Score	.67
Exons	852..1021, 1956..2085		

Seq. No.	48788	Seq. ID	OJ990822_42.0419.C78
Gene No.	103957	Strand	+
Start	1	End	994
Name	OJ990822_42.0419.C78.o1.np	Method	AAT/NAP
Start	1	End	994
GI	6967112	Score	407
Exons	1..153, 239..464, 543..994		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	48788	Seq. ID	OJ990822_42.0419.C78
Gene No.	103957	Strand	+
Start	1	End	994
Name	OJ990822_42.0419.C78.o2.ts	Method	TBLASTX:Soybean
Start	124	End	438
GI	none	Score	43
Exons	124..153, 220..426, 238..288, 239..433, 331..438		

Seq. No.	48788	Seq. ID	OJ990822_42.0419.C78
Gene No.	103957	Strand	+
Start	1	End	994
Name	OJ990822_42.0419.C78.o1.tm	Method	TBLASTX:Maize
Start	234	End	774
GI	none	Score	70
Exons	234..395, 242..466, 244..465, 534..653, 541..720, 542..745, 553..774		

Seq. No.	48788	Seq. ID	OJ990822_42.0419.C78
Gene No.	103957	Strand	+
Start	1	End	994
Name	OJ990822_42.0419.C78.o1.gs	Method	GENSCAN
Start	288	End	976
GI	none	Score	.8
Exons	288..464, 543..976		

Seq. No.	48788	Seq. ID	OJ990822_42.0419.C78
Gene No.	103957	Strand	+
Start	1	End	994
Name	OJ990822_42.0419.C78.o1.tw	Method	TBLASTX:Wheat

Start	305	End	745
GI	none	Score	102
Exons	305..433, 334..435, 542..628,	647..745	

Seq. No.	48788	Seq. ID	OJ990822_42.0419.C78
Gene No.	103957	Strand	+
Start	1	End	994
Name	OJ990822_42.0419.C78.o1.ts	Method	TBLASTX:Soybean
Start	533	End	826
GI	none	Score	114
Exons	533..637, 538..636, 637..825,	638..826	

Seq. No.	48789	Seq. ID	OJ990822_42.0419.C79
Gene No.	103958	Strand	-
Start	1	End	900
Name	OJ990822_42.0419.C79.o1.np	Method	AAT/NAP
Start	1	End	900
GI	6006374	Score	1397
Exons	1..900		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	48790	Seq. ID	OJ990822_42.0419.C80
Gene No.	103959	Strand	+
Start	1101	End	1576
Name	OJ990822_42.0419.C80.o1.gs	Method	GENSCAN
Start	1101	End	1576
GI	none	Score	.4
Exons	1101..1261, 1463..1576		

Seq. No.	48790	Seq. ID	OJ990822_42.0419.C80
Gene No.	103960	Strand	+
Start	4603	End	4932
Name	OJ990822_42.0419.C80.o1.gp	Method	AAT/GAP
Start	4603	End	4932
GI	3760116	Score	602
Exons	4603..4932		

Seq. No.	48790	Seq. ID	OJ990822_42.0419.C80
Gene No.	103961	Strand	-
Start	3395	End	4512
Name	OJ990822_42.0419.C80.o2.gs	Method	GENSCAN
Start	3395	End	4512
GI	none	Score	.49
Exons	3395..3471, 4359..4512		

Seq. No.	48791	Seq. ID	OJ990822_42.0419.C89
Gene No.	103962	Strand	
Start	115	End	472
Name	OJ990822_42.0419.C89.o1.tm	Method	TBLASTX:Maize
Start	115	End	472
GI	none	Score	67
Exons	115..231, 247..396, 266..397,	391..465,	395..472

Seq. No.	48792	Seq. ID	OJ990822_42.0419.C90
Gene No.	103963	Strand	-
Start	1367	End	1515

Name	OJ990822_42.0419.C90.o1.gs	Method	GENSCAN
Start	1367	End	1515
GI	none	Score	.9
Exons	1367..1515		

Seq. No.	48793	Seq. ID	OJ990822_42.0419.C91
Gene No.	103964	Strand	+
Start	610	End	1303
Name	OJ990822_42.0419.C91.o1.np	Method	AAT/NAP
Start	610	End	1303
GI	6907088	Score	534
Exons	610..747, 923..1303		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48793	Seq. ID	OJ990822_42.0419.C91
Gene No.	103965	Strand	-
Start	84	End	546
Name	OJ990822_42.0419.C91.o1.gs	Method	GENSCAN
Start	84	End	546
GI	none	Score	.88
Exons	84..157, 537..546		

Seq. No.	48794	Seq. ID	OJ990822_42.0419.C92
Gene No.	103966	Strand	+
Start	55	End	1157
Name	OJ990822_42.0419.C92.o1.np	Method	AAT/NAP
Start	55	End	1157
GI	6907086	Score	1089
Exons	55..835, 894..1066, 1098..1157		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48795	Seq. ID	OJ990822_42.0419.C94
Gene No.	103967	Strand	+
Start	1027	End	1207
Name	OJ990822_42.0419.C94.o1.gs	Method	GENSCAN
Start	1027	End	1207
GI	none	Score	.46
Exons	1027..1207		

Seq. No.	48796	Seq. ID	OJ990822_42.0419.C97
Gene No.	103968	Strand	+
Start	1	End	451
Name	OJ990822_42.0419.C97.o1.np	Method	AAT/NAP
Start	1	End	448
GI	6006375	Score	626
Exons	1..448		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	48796	Seq. ID	OJ990822_42.0419.C97
Gene No.	103968	Strand	+
Start	1	End	451
Name	OJ990822_42.0419.C97.o1.gs	Method	GENSCAN
Start	58	End	451
GI	none	Score	.93
Exons	58..451		

Seq. No.	48797	Seq. ID	OJ990822_42.0419.C99
Gene No.	103969	Strand	+
Start	1217	End	1688
Name	OJ990822_42.0419.C99.o1.gp	Method	AAT/GAP
Start	1217	End	1688
GI	42057_1.R1084	Score	854
Exons	1217..1688		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	48797	Seq. ID	OJ990822_42.0419.C99
Gene No.	103970	Strand	-
Start	1468	End	1953
Name	OJ990822_42.0419.C99.o1.gs	Method	GENSCAN
Start	1468	End	1908
GI	none	Score	.81
Exons	1468..1908		

Seq. No.	48797	Seq. ID	OJ990822_42.0419.C99
Gene No.	103970	Strand	-
Start	1468	End	1953
Name	OJ990822_42.0419.C99.o1.tm	Method	TBLASTX:Maize
Start	1719	End	1953
GI	none	Score	68
Exons	1719..1790, 1720..1791, 1720..1791, 1784..1951, 1786..1953, 1786..1953		

Seq. No.	48798	Seq. ID	OJ990822_37.0421.C2
Gene No.	103971	Strand	+
Start	1	End	1523
Name	OJ990822_37.0421.C2.o1.np	Method	AAT/NAP
Start	1	End	1523
GI	7340868	Score	185
Exons	1..254, 1290..1523		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48799	Seq. ID	OJ990822_37.0421.C3
Gene No.	103972	Strand	+
Start	488	End	3447
Name	OJ990822_37.0421.C3.o1.gs	Method	GENSCAN
Start	488	End	3447
GI	none	Score	.46
Exons	488..537, 1986..2123, 2161..2304, 2385..2652, 2691..2987, 3394..3447		

Seq. No.	48799	Seq. ID	OJ990822_37.0421.C3
Gene No.	103973	Strand	+
Start	5105	End	11586
Name	OJ990822_37.0421.C3.o2.gs	Method	GENSCAN
Start	5105	End	11586
GI	none	Score	.47
Exons	5105..5204, 5366..5682, 6300..6400, 6477..6544, 7249..7367, 8729..8806, 9683..10669, 10958..11143, 11269..11586		

Seq. No.	48799	Seq. ID	OJ990822_37.0421.C3
Gene No.	103974	Strand	+
Start	21353	End	23826

Name	OJ990822_37.0421.C3.o2.np	Method	AAT/NAP
Start	21353	End	21887
GI	91206	Score	183
Exons	21353..21887		
GI Descrip.	proline-rich protein - mouse (fragment) gi|200543 (M19419) proline-rich salivary protein [Mus musculus]		

Seq. No.	48799	Seq. ID	OJ990822_37.0421.C3
Gene No.	103974	Strand	+
Start	21353	End	23826
Name	OJ990822_37.0421.C3.o1.gp	Method	AAT/GAP
Start	21523	End	23826
GI	4880205	Score	714
Exons	21523..21840, 23699..23826		
GI Descrip.	5295936/dbj|AB026295.2|AB026295 1.0e-16 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence		

Seq. No.	48799	Seq. ID	OJ990822_37.0421.C3
Gene No.	103975	Strand	-
Start	4866	End	10330
Name	OJ990822_37.0421.C3.o1.np	Method	AAT/NAP
Start	4866	End	10330
GI	6069653	Score	430
Exons	4866..5737, 5795..6423, 9832..10330		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	48800	Seq. ID	OJ990822_37.0421.C4
Gene No.	103976	Strand	+
Start	1943	End	3163
Name	OJ990822_37.0421.C4.o1.gs	Method	GENSCAN
Start	1943	End	3163
GI	none	Score	.6
Exons	1943..1947, 2475..2566, 3057..3163		

Seq. No.	48801	Seq. ID	OJ990822_37.0421.C6
Gene No.	103977	Strand	+
Start	16	End	669
Name	OJ990822_37.0421.C6.o1.gs	Method	GENSCAN
Start	16	End	669
GI	none	Score	.4
Exons	16..229, 620..669		

Seq. No.	48801	Seq. ID	OJ990822_37.0421.C6
Gene No.	103978	Strand	+
Start	12128	End	12414
Name	OJ990822_37.0421.C6.o3.gp	Method	AAT/GAP
Start	12128	End	12414
GI	none	Score	562
Exons	12128..12414		

Seq. No.	48801	Seq. ID	OJ990822_37.0421.C6
Gene No.	103979	Strand	+
Start	20269	End	20589
Name	OJ990822_37.0421.C6.o4.gs	Method	GENSCAN
Start	20269	End	20589
GI	none	Score	.87
Exons	20269..20374, 20495..20589		

Seq. No.	48801	Seq. ID	OJ990822_37.0421.C6
Gene No.	103980	Strand	-
Start	2400	End	3091
Name	OJ990822_37.0421.C6.o2.gp	Method	AAT/GAP
Start	2400	End	3091
GI	none	Score	1325
Exons	2400..3091		

Seq. No.	48801	Seq. ID	OJ990822_37.0421.C6
Gene No.	103981	Strand	-
Start	12339	End	14484
Name	OJ990822_37.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	12319	End	14269
GI	none	Score	191
Exons	12319..12366, 12345..12572, 12346..12576, 12554..12649, 12555..12650, 12565..12651, 13907..13987, 13910..13987, 14009..14041, 14060..14146, 14100..14147, 14132..14176, 14168..14269, 14169..14261		

Seq. No.	48801	Seq. ID	OJ990822_37.0421.C6
Gene No.	103981	Strand	-
Start	12339	End	14484
Name	OJ990822_37.0421.C6.o3.gs	Method	GENSCAN
Start	12339	End	14452
GI	none	Score	.42
Exons	12339..12572, 12578..12647, 13908..14452		

Seq. No.	48801	Seq. ID	OJ990822_37.0421.C6
Gene No.	103981	Strand	-
Start	12339	End	14484
Name	OJ990822_37.0421.C6.o1.np	Method	AAT/NAP
Start	12342	End	14441
GI	7407659	Score	425
Exons	12342..12647, 13908..14441		
GI Descrip.	(AF247162) alpha-expansin OsEXP5 [Oryza sativa]		

Seq. No.	48801	Seq. ID	OJ990822_37.0421.C6
Gene No.	103981	Strand	-
Start	12339	End	14484
Name	OJ990822_37.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	12357	End	14234
GI	none	Score	73
Exons	12357..12572, 12379..12630, 12554..12649, 13907..13987, 14009..14044, 14063..14158, 14168..14233, 14169..14234		

Seq. No.	48801	Seq. ID	OJ990822_37.0421.C6
Gene No.	103981	Strand	-
Start	12339	End	14484
Name	OJ990822_37.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	12357	End	14234
GI	none	Score	67
Exons	12357..12521, 12522..12572, 12554..12649, 13907..13987, 14009..14044, 14051..14146, 14153..14176, 14168..14233, 14169..14234		

Seq. No.	48801	Seq. ID	OJ990822_37.0421.C6

Gene No.	103981	Strand	-
Start	12339	End	14484
Name	OJ990822_37.0421.C6.o4.gp	Method	AAT/GAP
Start	13968	End	14484
GI	uC-osflm202102h06b1	Score	908
Exons	13968..14274, 14302..14484		
GI Descrip.	'1041704 2.0e-19 (U30478) expansin At-EXP5 [Arabidopsis thaliana]'		

Seq. No.	48802	Seq. ID	OJ990822_37.0421.C7
Gene No.	103982	Strand	+
Start	4736	End	6656
Name	OJ990822_37.0421.C7.o2.gs	Method	GENSCAN
Start	4736	End	6656
GI	none	Score	.91
Exons	4736..4817, 6421..6656		

Seq. No.	48802	Seq. ID	OJ990822_37.0421.C7
Gene No.	103983	Strand	-
Start	1099	End	3414
Name	OJ990822_37.0421.C7.o1.gs	Method	GENSCAN
Start	1099	End	3414
GI	none	Score	.95
Exons	1099..1301, 3135..3414		

Seq. No.	48802	Seq. ID	OJ990822_37.0421.C7
Gene No.	103984	Strand	-
Start	8522	End	14035
Name	OJ990822_37.0421.C7.o3.gs	Method	GENSCAN
Start	8522	End	14035
GI	none	Score	.61
Exons	8522..8697, 9589..9755, 12143..12315, 13684..13937, 13972..14035		

Seq. No.	48802	Seq. ID	OJ990822_37.0421.C7
Gene No.	103985	Strand	-
Start	15599	End	19080
Name	OJ990822_37.0421.C7.o4.gs	Method	GENSCAN
Start	15599	End	19080
GI	none	Score	.74
Exons	15599..15664, 18011..18257, 18698..18776, 18891..19080		

Seq. No.	48803	Seq. ID	OJ990822_37.0421.C8
Gene No.	103986	Strand	+
Start	1241	End	6442
Name	OJ990822_37.0421.C8.o1.gs	Method	GENSCAN
Start	1241	End	6442
GI	none	Score	.61
Exons	1241..1382, 3058..3176, 5141..5238, 5290..5592, 6310..6442		

Seq. No.	48803	Seq. ID	OJ990822_37.0421.C8
Gene No.	103987	Strand	+
Start	7530	End	12945
Name	OJ990822_37.0421.C8.o2.gs	Method	GENSCAN
Start	7530	End	12945
GI	none	Score	.6
Exons	7530..7550, 10646..10714, 11033..11096, 12770..12945		

Seq. No.	48803	Seq. ID	OJ990822_37.0421.C8
Gene No.	103988	Strand	+
Start	15460	End	19105
Name	OJ990822_37.0421.C8.o1.np	Method	AAT/NAP
Start	15460	End	16505
GI	130582	Score	544
Exons	15460..16505		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	48803	Seq. ID	OJ990822_37.0421.C8
Gene No.	103988	Strand	+
Start	15460	End	19105
Name	OJ990822_37.0421.C8.o4.gs	Method	GENSCAN
Start	15460	End	19105
GI	none	Score	.47
Exons	15460..16690, 17174..17315, 19027..19105		

Seq. No.	48803	Seq. ID	OJ990822_37.0421.C8
Gene No.	103989	Strand	-
Start	9069	End	15257
Name	OJ990822_37.0421.C8.o1.gp	Method	AAT/GAP
Start	9069	End	15257
GI	uC-osrocyp028d05b1	Score	908
Exons	9069..9155, 14837..15257		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 1.0e-16 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	48803	Seq. ID	OJ990822_37.0421.C8
Gene No.	103989	Strand	-
Start	9069	End	15257
Name	OJ990822_37.0421.C8.o3.gs	Method	GENSCAN
Start	13365	End	15201
GI	none	Score	.61
Exons	13365..14304, 14322..14467, 14486..14570, 14879..15201		

Seq. No.	48804	Seq. ID	OJ990822_37.0421.C9
Gene No.	103990	Strand	+
Start	235	End	5611
Name	OJ990822_37.0421.C9.o1.gs	Method	GENSCAN
Start	235	End	5611
GI	none	Score	.44
Exons	235..353, 1307..1362, 1553..1583, 1903..1974, 2008..2188, 2765..2859, 4630..4672, 4737..4818, 5495..5611		

Seq. No.	48804	Seq. ID	OJ990822_37.0421.C9
Gene No.	103991	Strand	-
Start	9020	End	9227
Name	OJ990822_37.0421.C9.o1.gp	Method	AAT/GAP
Start	9020	End	9227
GI	2798075	Score	403
Exons	9020..9227		

Seq. No.	48805	Seq. ID	OJ990822_37.0421.C11
Gene No.	103992	Strand	+

Start	85	End	652
Name	OJ990822_37.0421.C11.o1.gs	Method	GENSCAN
Start	85	End	652
GI	none	Score	.82
Exons	85..231, 242..652		

Seq. No.	48805	Seq. ID	OJ990822_37.0421.C11
Gene No.	103993	Strand	+
Start	1775	End	2153
Name	OJ990822_37.0421.C11.o2.gs	Method	GENSCAN
Start	1775	End	2153
GI	none	Score	.78
Exons	1775..1858, 1951..2008, 2044..2153		

Seq. No.	48805	Seq. ID	OJ990822_37.0421.C11
Gene No.	103994	Strand	+
Start	4839	End	11726
Name	OJ990822_37.0421.C11.o3.gs	Method	GENSCAN
Start	4839	End	11726
GI	none	Score	.67
Exons	4839..4902, 5689..5768, 8082..8267, 10122..10345, 10544..10688, 11057..11197, 11553..11726		

Seq. No.	48805	Seq. ID	OJ990822_37.0421.C11
Gene No.	103995	Strand	+
Start	11897	End	12358
Name	OJ990822_37.0421.C11.o1.gp	Method	AAT/GAP
Start	11897	End	12358
GI	LIB3432-059-P1-K1-D8	Score	721
Exons	11897..12358		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	48806	Seq. ID	OJ990822_37.0421.C13
Gene No.	103996	Strand	-
Start	286	End	453
Name	OJ990822_37.0421.C13.o1.gs	Method	GENSCAN
Start	286	End	453
GI	none	Score	.69
Exons	286..453		

Seq. No.	48807	Seq. ID	OJ990822_37.0421.C41
Gene No.	103997	Strand	+
Start	1320	End	1364
Name	OJ990822_37.0421.C41.o1.gs	Method	GENSCAN
Start	1320	End	1364
GI	none	Score	.46
Exons	1320..1364		

Seq. No.	48807	Seq. ID	OJ990822_37.0421.C41
Gene No.	103998	Strand	-
Start	199	End	496
Name	OJ990822_37.0421.C41.o1.np	Method	AAT/NAP
Start	199	End	496
GI	728832	Score	326
Exons	199..496		
GI Descrip.	**** ALU SUBFAMILY SB WARNING ENTRY ****		

Seq. No.	48808	Seq. ID	OJ990512_14.0420.C3
Gene No.	103999	Strand	+
Start	196	End	1049
Name	OJ990512_14.0420.C3.o1.gs	Method	GENSCAN
Start	196	End	444
GI	none	Score	.5
Exons	196..444		

Seq. No.	48808	Seq. ID	OJ990512_14.0420.C3
Gene No.	103999	Strand	+
Start	196	End	1049
Name	OJ990512_14.0420.C3.o1.np	Method	AAT/NAP
Start	196	End	1049
GI	6539586	Score	227
Exons	196..349, 1000..1049		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	48809	Seq. ID	OJ990512_14.0420.C4
Gene No.	104000	Strand	+
Start	780	End	2150
Name	OJ990512_14.0420.C4.o2.np	Method	AAT/NAP
Start	780	End	2150
GI	5803259	Score	321
Exons	780..826, 1933..2150		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	48809	Seq. ID	OJ990512_14.0420.C4
Gene No.	104000	Strand	+
Start	780	End	2150
Name	OJ990512_14.0420.C4.o1.gp	Method	AAT/GAP
Start	839	End	1222
GI	uC-osf1cyp033a04b1	Score	669
Exons	839..1222		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48809	Seq. ID	OJ990512_14.0420.C4
Gene No.	104001	Strand	-
Start	917	End	2150
Name	OJ990512_14.0420.C4.o1.np	Method	AAT/NAP
Start	768	End	2150
GI	4680186	Score	226
Exons	768..972, 2123..2150		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48809	Seq. ID	OJ990512_14.0420.C4
Gene No.	104001	Strand	-
Start	917	End	2150
Name	OJ990512_14.0420.C4.o1.gs	Method	GENSCAN
Start	917	End	2078
GI	none	Score	.94
Exons	917..1124, 2047..2078		

Seq. No.	48810	Seq. ID	OJ990512_14.0420.C5
Gene No.	104002	Strand	+
Start	1	End	569

Name	OJ990512_14.0420.C5.o1.np	Method	AAT/NAP
Start	1	End	566
GI	5803259	Score	820
Exons	1..566		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	48810	Seq. ID	OJ990512_14.0420.C5
Gene No.	104002	Strand	+
Start	1	End	569
Name	OJ990512_14.0420.C5.o1.gs	Method	GENSCAN
Start	48	End	569
GI	none	Score	.65
Exons	48..569		

Seq. No.	48811	Seq. ID	OJ990512_14.0420.C6
Gene No.	104003	Strand	-
Start	1	End	3031
Name	OJ990512_14.0420.C6.o1.np	Method	AAT/NAP
Start	1	End	3031
GI	7228457	Score	4418
Exons	1..621, 688..1839, 1962..2796, 2860..3031		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48811	Seq. ID	OJ990512_14.0420.C6
Gene No.	104003	Strand	-
Start	1	End	3031
Name	OJ990512_14.0420.C6.o3.tm	Method	TBLASTX:Maize
Start	7	End	201
GI	none	Score	107
Exons	7..201, 20..172		

Seq. No.	48811	Seq. ID	OJ990512_14.0420.C6
Gene No.	104003	Strand	-
Start	1	End	3031
Name	OJ990512_14.0420.C6.o4.tw	Method	TBLASTX:Wheat
Start	7	End	285
GI	none	Score	86
Exons	7..285, 11..127, 21..164		

Seq. No.	48811	Seq. ID	OJ990512_14.0420.C6
Gene No.	104003	Strand	-
Start	1	End	3031
Name	OJ990512_14.0420.C6.o1.gs	Method	GENSCAN
Start	69	End	3017
GI	none	Score	.63
Exons	69..272, 333..2595, 2614..2796, 2943..3017		

Seq. No.	48811	Seq. ID	OJ990512_14.0420.C6
Gene No.	104003	Strand	-
Start	1	End	3031
Name	OJ990512_14.0420.C6.o3.tw	Method	TBLASTX:Wheat
Start	709	End	1271
GI	none	Score	88
Exons	709..858, 710..847, 712..849, 893..1078, 919..1128, 919..1143, 1251..1271		

Seq. No.	48811	Seq. ID	OJ990512_14.0420.C6
Gene No.	104003	Strand	-
Start	1	End	3031
Name	OJ990512_14.0420.C6.o1.ts	Method	TBLASTX:Soybean
Start	1768	End	2139
GI	none	Score	89
Exons	1768..2139, 1979..2122		

Seq. No.	48811	Seq. ID	OJ990512_14.0420.C6
Gene No.	104003	Strand	-
Start	1	End	3031
Name	OJ990512_14.0420.C6.o2.tw	Method	TBLASTX:Wheat
Start	1798	End	2218
GI	none	Score	310
Exons	1798..2217, 1805..2218		

Seq. No.	48811	Seq. ID	OJ990512_14.0420.C6
Gene No.	104003	Strand	-
Start	1	End	3031
Name	OJ990512_14.0420.C6.o2.tm	Method	TBLASTX:Maize
Start	1891	End	2275
GI	none	Score	226
Exons	1891..2274, 1910..2275		

Seq. No.	48811	Seq. ID	OJ990512_14.0420.C6
Gene No.	104003	Strand	-
Start	1	End	3031
Name	OJ990512_14.0420.C6.o1.tm	Method	TBLASTX:Maize
Start	2302	End	2658
GI	none	Score	133
Exons	2302..2607, 2302..2658, 2312..2623		

Seq. No.	48811	Seq. ID	OJ990512_14.0420.C6
Gene No.	104003	Strand	-
Start	1	End	3031
Name	OJ990512_14.0420.C6.o1.tw	Method	TBLASTX:Wheat
Start	2326	End	2789
GI	none	Score	219
Exons	2326..2787, 2332..2787, 2333..2788, 2346..2789		

Seq. No.	48811	Seq. ID	OJ990512_14.0420.C6
Gene No.	104003	Strand	-
Start	1	End	3031
Name	OJ990512_14.0420.C6.o2.ts	Method	TBLASTX:Soybean
Start	2383	End	2748
GI	none	Score	111
Exons	2383..2517, 2524..2748		

Seq. No.	48812	Seq. ID	OJ990512_14.0420.C7
Gene No.	104004	Strand	-
Start	1	End	1144
Name	OJ990512_14.0420.C7.o1.np	Method	AAT/NAP
Start	1	End	1144
GI	7228457	Score	1871
Exons	1..1144		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]

Seq. No.	48812	Seq. ID	OJ990512_14.0420.C7
Gene No.	104004	Strand	-
Start	1	End	1144
Name	OJ990512_14.0420.C7.o1.gs	Method	GENSCAN
Start	20	End	1079
GI	none	Score	.98
Exons	20..1079		

Seq. No.	48812	Seq. ID	OJ990512_14.0420.C7
Gene No.	104004	Strand	-
Start	1	End	1144
Name	OJ990512_14.0420.C7.o1.tw	Method	TBLASTX:Wheat
Start	51	End	341
GI	none	Score	88
Exons	51..341, 82..237		

Seq. No.	48812	Seq. ID	OJ990512_14.0420.C7
Gene No.	104004	Strand	-
Start	1	End	1144
Name	OJ990512_14.0420.C7.o2.tw	Method	TBLASTX:Wheat
Start	807	End	1101
GI	none	Score	54
Exons	807..992, 813..1097, 880..1050, 883..1101		

Seq. No.	48813	Seq. ID	OJ990512_14.0420.C8
Gene No.	104005	Strand	+
Start	964	End	1128
Name	OJ990512_14.0420.C8.o1.gp	Method	AAT/GAP
Start	964	End	1128
GI	7406_1.R1084	Score	217
Exons	964..1128		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	48813	Seq. ID	OJ990512_14.0420.C8
Gene No.	104006	Strand	-
Start	1	End	525
Name	OJ990512_14.0420.C8.o1.np	Method	AAT/NAP
Start	1	End	525
GI	7228442	Score	881
Exons	1..525		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	48813	Seq. ID	OJ990512_14.0420.C8
Gene No.	104006	Strand	-
Start	1	End	525
Name	OJ990512_14.0420.C8.o1.gs	Method	GENSCAN
Start	48	End	243
GI	none	Score	.43
Exons	48..243		

Seq. No.	48814	Seq. ID	OJ990512_14.0420.C9

Gene No.	104007	Strand	+
Start	1	End	2325
Name	OJ990512_14.0420.C9.o1.np	Method	AAT/NAP
Start	1	End	2325
GI	5758858	Score	95
Exons	1..73, 1606..1742, 2261..2325		
GI Descrip.	(AF168890) ATP synthase beta subunit [Calathea loeseneri]		

Seq. No.	48814	Seq. ID	OJ990512_14.0420.C9
Gene No.	104007	Strand	+
Start	1	End	2325
Name	OJ990512_14.0420.C9.o1.gs	Method	GENSCAN
Start	271	End	460
GI	none	Score	.85
Exons	271..460		

Seq. No.	48814	Seq. ID	OJ990512_14.0420.C9
Gene No.	104008	Strand	-
Start	777	End	3147
Name	OJ990512_14.0420.C9.o2.gs	Method	GENSCAN
Start	777	End	2913
GI	none	Score	.77
Exons	777..941, 943..1133, 1766..1824, 1946..2080, 2156..2375, 2489..2648, 2746..2913		

Seq. No.	48814	Seq. ID	OJ990512_14.0420.C9
Gene No.	104008	Strand	-
Start	777	End	3147
Name	OJ990512_14.0420.C9.o2.np	Method	AAT/NAP
Start	1453	End	3147
GI	5732928	Score	269
Exons	1453..1641, 1974..2078, 2157..2324, 2462..2648, 2752..2980, 3073..3147		
GI Descrip.	(AF169801) dihydroflavonol-4-reductase [Lilium hybrid cultivar VII cv. 'Acapulco']		

Seq. No.	48814	Seq. ID	OJ990512_14.0420.C9
Gene No.	104008	Strand	-
Start	777	End	3147
Name	OJ990512_14.0420.C9.o1.gp	Method	AAT/GAP
Start	1749	End	2397
GI	33857_1.R1084	Score	901
Exons	1749..2080, 2156..2397		
GI Descrip.	'4508073/gb|AAD21417.1| 5.0e-22 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	48814	Seq. ID	OJ990512_14.0420.C9
Gene No.	104008	Strand	-
Start	777	End	3147
Name	OJ990512_14.0420.C9.o1.ts	Method	TBLASTX:Soybean
Start	1999	End	2323
GI	none	Score	97
Exons	1999..2064, 2167..2322, 2171..2323		

Seq. No.	48814	Seq. ID	OJ990512_14.0420.C9
Gene No.	104008	Strand	-
Start	777	End	3147

Name	OJ990512_14.0420.C9.o1.tm	Method	TBLASTX:Maize
Start	2203	End	2621
GI	none	Score	75
Exons	2203..2322, 2204..2311, 2224..2337, 2234..2380, 2326..2379, 2481..2621, 2482..2619		

Seq. No.	48814	Seq. ID	OJ990512_14.0420.C9
Gene No.	104008	Strand	-
Start	777	End	3147
Name	OJ990512_14.0420.C9.o2.tm	Method	TBLASTX:Maize
Start	2835	End	3146
GI	none	Score	132
Exons	2835..2957, 2842..2958, 2872..2958, 3036..3146, 3072..3146		

Seq. No.	48814	Seq. ID	OJ990512_14.0420.C9
Gene No.	104008	Strand	-
Start	777	End	3147
Name	OJ990512_14.0420.C9.o1.tw	Method	TBLASTX:Wheat
Start	2840	End	3146
GI	none	Score	108
Exons	2840..2929, 2842..2958, 2872..2958, 3072..3146, 3072..3146		

Seq. No.	48815	Seq. ID	OJ990512_14.0420.C10
Gene No.	104009	Strand	+
Start	232	End	789
Name	OJ990512_14.0420.C10.o1.gs	Method	GENSCAN
Start	232	End	789
GI	none	Score	.6
Exons	232..332, 338..414, 608..692, 785..789		

Seq. No.	48815	Seq. ID	OJ990512_14.0420.C10
Gene No.	104010	Strand	-
Start	189	End	421
Name	OJ990512_14.0420.C10.o1.gp	Method	AAT/GAP
Start	189	End	421
GI	uC-osflcyp017f04b1	Score	379
Exons	189..421		
GI Descrip.	'4508073/gb|AAD21417.1| 2.0e-17 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	48815	Seq. ID	OJ990512_14.0420.C10
Gene No.	104010	Strand	-
Start	189	End	421
Name	OJ990512_14.0420.C10.o1.np	Method	AAT/NAP
Start	189	End	312
GI	7488627	Score	94
Exons	189..312		
GI Descrip.	probable cinnamyl-alcohol dehydrogenase (EC 1.1.1.195) - apple tree gi|2981475|gb|AAC06319.1| (AF053084) putative cinnamyl alcohol dehydrogenase [Malus domestica]		

Seq. No.	48815	Seq. ID	OJ990512_14.0420.C10
Gene No.	104011	Strand	-
Start	2001	End	2508
Name	OJ990512_14.0420.C10.o2.gs	Method	GENSCAN
Start	2001	End	2508
GI	none	Score	.97

Exons	2001..2154, 2237..2508		
Seq. No.	48815	Seq. ID	OJ990512_14.0420.C10
Gene No.	104011	Strand	-
Start	2001	End	2508
Name	OJ990512_14.0420.C10.o2.np	Method	AAT/NAP
Start	2001	End	2445
GI	4508073	Score	140
Exons	2001..2129, 2218..2445		
GI Descrip.	(AC005882) 43220 [Arabidopsis thaliana]		
Seq. No.	48816	Seq. ID	OJ990512_14.0420.C11
Gene No.	104012	Strand	-
Start	180	End	274
Name	OJ990512_14.0420.C11.o1.gs	Method	GENSCAN
Start	180	End	274
GI	none	Score	.4
Exons	180..274		
Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o1.gs	Method	GENSCAN
Start	364	End	2416
GI	none	Score	.4
Exons	364..1340, 1422..1862, 2023..2416		
Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o1.np	Method	AAT/NAP
Start	367	End	2443
GI	4680179	Score	3397
Exons	367..2443		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o4.tm	Method	TBLASTX:Maize
Start	391	End	603
GI	none	Score	206
Exons	391..603		
Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o4.tw	Method	TBLASTX:Wheat
Start	412	End	745
GI	none	Score	107
Exons	412..744, 413..745		
Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o1.tm	Method	TBLASTX:Maize
Start	604	End	1191

GI	none	Score	162
Exons	604..1032, 605..865, 935..1027, 1030..1191, 1037..1183, 1039..1185		

Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o1.tw	Method	TBLASTX:Wheat
Start	745	End	1371
GI	none	Score	375
Exons	745..1371, 746..1369		

Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o3.tm	Method	TBLASTX:Maize
Start	1240	End	1531
GI	none	Score	249
Exons	1240..1530, 1244..1531		

Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o1.ts	Method	TBLASTX:Soybean
Start	1330	End	1590
GI	none	Score	151
Exons	1330..1590, 1340..1585		

Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o1.tc	Method	TBLASTX:Cress
Start	1354	End	1671
GI	none	Score	93
Exons	1354..1497, 1355..1495, 1498..1671		

Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o2.tw	Method	TBLASTX:Wheat
Start	1378	End	1908
GI	none	Score	255
Exons	1378..1908, 1379..1633, 1393..1824		

Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o2.tm	Method	TBLASTX:Maize
Start	1944	End	2296
GI	none	Score	78
Exons	1944..2051, 1951..2046, 2048..2296, 2057..2260, 2061..2294		

Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o3.tw	Method	TBLASTX:Wheat
Start	1944	End	2368

GI	none	Score	116
Exons	1944..2051, 1951..2046, 2048..2368, 2051..2326, 2052..2360		

Seq. No.	48817	Seq. ID	OJ990512_14.0420.C13
Gene No.	104013	Strand	-
Start	364	End	2443
Name	OJ990512_14.0420.C13.o2.ts	Method	TBLASTX:Soybean
Start	2117	End	2362
GI	none	Score	209
Exons	2117..2362		

Seq. No.	48818	Seq. ID	OJ990512_14.0420.C14
Gene No.	104014	Strand	-
Start	1	End	1712
Name	OJ990512_14.0420.C14.o1.np	Method	AAT/NAP
Start	1	End	1712
GI	4680179	Score	2324
Exons	1..1712		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48818	Seq. ID	OJ990512_14.0420.C14
Gene No.	104014	Strand	-
Start	1	End	1712
Name	OJ990512_14.0420.C14.o2.tw	Method	TBLASTX:Wheat
Start	59	End	364
GI	none	Score	251
Exons	59..364, 60..335, 71..361, 286..363		

Seq. No.	48818	Seq. ID	OJ990512_14.0420.C14
Gene No.	104014	Strand	-
Start	1	End	1712
Name	OJ990512_14.0420.C14.o2.tm	Method	TBLASTX:Maize
Start	62	End	340
GI	none	Score	104
Exons	62..340, 90..275		

Seq. No.	48818	Seq. ID	OJ990512_14.0420.C14
Gene No.	104014	Strand	-
Start	1	End	1712
Name	OJ990512_14.0420.C14.o1.gs	Method	GENSCAN
Start	72	End	1642
GI	none	Score	.97
Exons	72..1642		

Seq. No.	48818	Seq. ID	OJ990512_14.0420.C14
Gene No.	104014	Strand	-
Start	1	End	1712
Name	OJ990512_14.0420.C14.o1.ts	Method	TBLASTX:Soybean
Start	77	End	472
GI	none	Score	171
Exons	77..436, 78..344, 107..424, 289..429, 440..472, 444..470		

Seq. No.	48818	Seq. ID	OJ990512_14.0420.C14
Gene No.	104014	Strand	-
Start	1	End	1712
Name	OJ990512_14.0420.C14.o1.tm	Method	TBLASTX:Maize
Start	359	End	826

GI	none	Score	107
Exons	359..826, 456..755		

Seq. No.	48818	Seq. ID	OJ990512_14.0420.C14
Gene No.	104014	Strand	-
Start	1	End	1712
Name	OJ990512_14.0420.C14.o1.tw	Method	TBLASTX:Wheat
Start	413	End	895
GI	none	Score	271
Exons	413..895, 456..791		

Seq. No.	48818	Seq. ID	OJ990512_14.0420.C14
Gene No.	104014	Strand	-
Start	1	End	1712
Name	OJ990512_14.0420.C14.o2.ts	Method	TBLASTX:Soybean
Start	545	End	859
GI	none	Score	57
Exons	545..859, 546..743		

Seq. No.	48818	Seq. ID	OJ990512_14.0420.C14
Gene No.	104014	Strand	-
Start	1	End	1712
Name	OJ990512_14.0420.C14.o3.tw	Method	TBLASTX:Wheat
Start	1070	End	1471
GI	none	Score	54
Exons	1070..1243, 1101..1169, 1151..1210, 1247..1471, 1305..1457		

Seq. No.	48818	Seq. ID	OJ990512_14.0420.C14
Gene No.	104014	Strand	-
Start	1	End	1712
Name	OJ990512_14.0420.C14.o3.tm	Method	TBLASTX:Maize
Start	1157	End	1433
GI	none	Score	78
Exons	1157..1432, 1332..1433		

Seq. No.	48819	Seq. ID	OJ990512_14.0420.C15
Gene No.	104015	Strand	-
Start	1	End	606
Name	OJ990512_14.0420.C15.o1.np	Method	AAT/NAP
Start	1	End	606
GI	4680179	Score	619
Exons	1..606		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48819	Seq. ID	OJ990512_14.0420.C15
Gene No.	104015	Strand	-
Start	1	End	606
Name	OJ990512_14.0420.C15.o1.tw	Method	TBLASTX:Wheat
Start	58	End	393
GI	none	Score	117
Exons	58..393, 59..373		

Seq. No.	48819	Seq. ID	OJ990512_14.0420.C15
Gene No.	104015	Strand	-
Start	1	End	606
Name	OJ990512_14.0420.C15.o1.gs	Method	GENSCAN
Start	157	End	606

GI	none	Score	.4
Exons	157..606		
Seq. No.	48820	Seq. ID	OJ990512_14.0420.C16
Gene No.	104016	Strand	+
Start	536	End	1218
Name	OJ990512_14.0420.C16.o1.gs	Method	GENSCAN
Start	536	End	1147
GI	none	Score	.95
Exons	536..538, 954..1147		
Seq. No.	48820	Seq. ID	OJ990512_14.0420.C16
Gene No.	104016	Strand	+
Start	536	End	1218
Name	OJ990512_14.0420.C16.o1.tm	Method	TBLASTX:Maize
Start	935	End	1218
GI	none	Score	233
Exons	935..1144, 936..1157, 939..1184, 1157..1213, 1162..1218		
Seq. No.	48820	Seq. ID	OJ990512_14.0420.C16
Gene No.	104016	Strand	+
Start	536	End	1218
Name	OJ990512_14.0420.C16.o1.tw	Method	TBLASTX:Wheat
Start	936	End	1213
GI	none	Score	121
Exons	936..1055, 1068..1157, 1068..1157, 1160..1213		
Seq. No.	48821	Seq. ID	OJ990512_14.0420.C17
Gene No.	104017	Strand	+
Start	1391	End	3959
Name	OJ990512_14.0420.C17.o1.gs	Method	GENSCAN
Start	1391	End	3959
GI	none	Score	.56
Exons	1391..1512, 2211..2318, 3110..3165, 3814..3959		
Seq. No.	48821	Seq. ID	OJ990512_14.0420.C17
Gene No.	104018	Strand	-
Start	3870	End	4049
Name	OJ990512_14.0420.C17.o1.gp	Method	AAT/GAP
Start	3870	End	4049
GI	76282_1.R1084	Score	333
Exons	3870..4049		
GI Descrip.	'4262149/gb|AAD14449| 7.0e-17 (AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]'		
Seq. No.	48822	Seq. ID	OJ990512_14.0420.C18
Gene No.	104019	Strand	-
Start	1	End	623
Name	OJ990512_14.0420.C18.o1.np	Method	AAT/NAP
Start	1	End	596
GI	1498168	Score	91
Exons	1..48, 131..306, 425..596		
GI Descrip.	(D86730) endoxyloglucan transferase related protein [Nicotiana tabacum]		
Seq. No.	48822	Seq. ID	OJ990512_14.0420.C18
Gene No.	104019	Strand	-

Start	1	End	623
Name	OJ990512_14.0420.C18.o1.gs	Method	GENSCAN
Start	202	End	584
GI	none	Score	.8
Exons	202..306, 425..584		

Seq. No.	48822	Seq. ID	OJ990512_14.0420.C18
Gene No.	104019	Strand	-
Start	1	End	623
Name	OJ990512_14.0420.C18.o1.gp	Method	AAT/GAP
Start	206	End	623
GI	71813_1.R1084	Score	526
Exons	206..306, 425..623		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48822	Seq. ID	OJ990512_14.0420.C18
Gene No.	104020	Strand	-
Start	2104	End	4691
Name	OJ990512_14.0420.C18.o2.gs	Method	GENSCAN
Start	2104	End	4691
GI	none	Score	.69
Exons	2104..2186, 2310..2340, 4046..4290, 4619..4691		

Seq. No.	48822	Seq. ID	OJ990512_14.0420.C18
Gene No.	104021	Strand	-
Start	5639	End	8514
Name	OJ990512_14.0420.C18.o3.ts	Method	TBLASTX:Soybean
Start	200	End	515
GI	none	Score	78
Exons	200..310, 207..308, 423..515		

Seq. No.	48822	Seq. ID	OJ990512_14.0420.C18
Gene No.	104021	Strand	-
Start	5639	End	8514
Name	OJ990512_14.0420.C18.o2.np	Method	AAT/NAP
Start	5639	End	8514
GI	6598860	Score	564
Exons	5639..5980, 6032..6315, 6358..6891, 8431..8514		
GI Descrip.	(AC010556) putative transporter [Arabidopsis thaliana]		

Seq. No.	48822	Seq. ID	OJ990512_14.0420.C18
Gene No.	104021	Strand	-
Start	5639	End	8514
Name	OJ990512_14.0420.C18.o2.ts	Method	TBLASTX:Soybean
Start	5923	End	6334
GI	none	Score	60
Exons	5923..5970, 6037..6318, 6239..6334		

Seq. No.	48822	Seq. ID	OJ990512_14.0420.C18
Gene No.	104021	Strand	-
Start	5639	End	8514
Name	OJ990512_14.0420.C18.o3.gp	Method	AAT/GAP
Start	6094	End	6415
GI	568937	Score	637
Exons	6094..6415		

Seq. No.	48822	Seq. ID	OJ990512_14.0420.C18
Gene No.	104021	Strand	-
Start	5639	End	8514
Name	OJ990512_14.0420.C18.o1.ts	Method	TBLASTX:Soybean
Start	6424	End	6871
GI	none	Score	59
Exons	6424..6591, 6425..6565, 6592..6819, 6608..6820, 6825..6869, 6827..6871		

Seq. No.	48823	Seq. ID	OJ990512_14.0420.C19
Gene No.	104022	Strand	+
Start	15	End	349
Name	OJ990512_14.0420.C19.o1.gs	Method	GENSCAN
Start	15	End	349
GI	none	Score	.63
Exons	15..95, 233..349		

Seq. No.	48823	Seq. ID	OJ990512_14.0420.C19
Gene No.	104023	Strand	-
Start	1	End	67
Name	OJ990512_14.0420.C19.o1.gp	Method	AAT/GAP
Start	1	End	67
GI	uC-osflM202039g09b1	Score	117
Exons	1..67		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48823	Seq. ID	OJ990512_14.0420.C19
Gene No.	104024	Strand	-
Start	1775	End	5524
Name	OJ990512_14.0420.C19.o2.gs	Method	GENSCAN
Start	1775	End	5511
GI	none	Score	.82
Exons	1775..1864, 2146..2269, 2487..2700, 2798..2957, 3660..3860, 4045..4211, 5391..5511		

Seq. No.	48823	Seq. ID	OJ990512_14.0420.C19
Gene No.	104024	Strand	-
Start	1775	End	5524
Name	OJ990512_14.0420.C19.o1.np	Method	AAT/NAP
Start	2053	End	5508
GI	1332411	Score	455
Exons	2053..2269, 2490..2670, 2786..2957, 3660..3860, 4045..4211, 5391..5508		
GI Descrip.	(D85102) dihydroflavonol 4-reductase [Rosa hybrida]		

Seq. No.	48823	Seq. ID	OJ990512_14.0420.C19
Gene No.	104024	Strand	-
Start	1775	End	5524
Name	OJ990512_14.0420.C19.o1.tw	Method	TBLASTX:Wheat
Start	3747	End	5479
GI	none	Score	114
Exons	3747..3863, 3750..3863, 4036..4212, 4063..4212, 5390..5461, 5392..5478, 5393..5479		

Seq. No.	48823	Seq. ID	OJ990512_14.0420.C19
Gene No.	104024	Strand	-

Start	1775	End	5524
Name	OJ990512_14.0420.C19.o1.tm	Method	TBLASTX:Maize
Start	3783	End	5524
GI	none	Score	62
Exons	3783..3884, 3783..3887, 4043..4228, 4044..4211, 4045..4233, 4045..4212, 5392..5499, 5393..5524		

Seq. No.	48824	Seq. ID	OJ990512_14.0420.C20
Gene No.	104025	Strand	+
Start	218	End	2691
Name	OJ990512_14.0420.C20.o1.gs	Method	GENSCAN
Start	218	End	2691
GI	none	Score	.45
Exons	218..353, 1089..1178, 2381..2442, 2587..2691		

Seq. No.	48825	Seq. ID	OJ990512_14.0420.C21
Gene No.	104026	Strand	+
Start	1315	End	1712
Name	OJ990512_14.0420.C21.o2.np	Method	AAT/NAP
Start	1315	End	1712
GI	7523512	Score	106
Exons	1315..1408, 1535..1712		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48825	Seq. ID	OJ990512_14.0420.C21
Gene No.	104027	Strand	-
Start	1	End	1262
Name	OJ990512_14.0420.C21.o1.np	Method	AAT/NAP
Start	1	End	1262
GI	5042454	Score	942
Exons	1..595, 652..758, 1112..1262		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48825	Seq. ID	OJ990512_14.0420.C21
Gene No.	104027	Strand	-
Start	1	End	1262
Name	OJ990512_14.0420.C21.o1.gs	Method	GENSCAN
Start	16	End	1172
GI	none	Score	.54
Exons	16..595, 652..756, 1116..1172		

Seq. No.	48825	Seq. ID	OJ990512_14.0420.C21
Gene No.	104028	Strand	-
Start	2007	End	2738
Name	OJ990512_14.0420.C21.o2.gs	Method	GENSCAN
Start	2007	End	2738
GI	none	Score	.93
Exons	2007..2141, 2717..2738		

Seq. No.	48825	Seq. ID	OJ990512_14.0420.C21
Gene No.	104029	Strand	-
Start	2895	End	2978
Name	OJ990512_14.0420.C21.o1.gp	Method	AAT/GAP
Start	2895	End	2978
GI	2797550	Score	159
Exons	2895..2978		

Seq. No.	48826	Seq. ID	OJ990512_14.0420.C22
Gene No.	104030	Strand	-
Start	1	End	936
Name	OJ990512_14.0420.C22.o1.np	Method	AAT/NAP
Start	1	End	936
GI	5732928	Score	276
Exons	1..274, 403..606, 783..936		
GI Descrip.	(AF169801) dihydroflavonol-4-reductase [Lilium hybrid cultivar VII cv. 'Acapulco']		

Seq. No.	48826	Seq. ID	OJ990512_14.0420.C22
Gene No.	104030	Strand	-
Start	1	End	936
Name	OJ990512_14.0420.C22.o1.gs	Method	GENSCAN
Start	115	End	893
GI	none	Score	.82
Exons	115..274, 403..606, 783..893		

Seq. No.	48826	Seq. ID	OJ990512_14.0420.C22
Gene No.	104030	Strand	-
Start	1	End	936
Name	OJ990512_14.0420.C22.o1.tm	Method	TBLASTX:Maize
Start	529	End	935
GI	none	Score	68
Exons	529..609, 530..604, 782..931, 783..935, 783..935		

Seq. No.	48827	Seq. ID	OJ990512_14.0420.C23
Gene No.	104031	Strand	-
Start	1	End	241
Name	OJ990512_14.0420.C23.o1.np	Method	AAT/NAP
Start	1	End	241
GI	7431410	Score	103
Exons	1..241		
GI Descrip.	cinnamoyl CoA reductase - maize gi|2239260|emb|CAA74071.1| (Y13734) cinnamoyl CoA reductase [Zea mays]		

Seq. No.	48827	Seq. ID	OJ990512_14.0420.C23
Gene No.	104031	Strand	-
Start	1	End	241
Name	OJ990512_14.0420.C23.o1.gs	Method	GENSCAN
Start	55	End	240
GI	none	Score	.6
Exons	55..240		

Seq. No.	48828	Seq. ID	OJ990512_14.0420.C24
Gene No.	104032	Strand	+
Start	57	End	252
Name	OJ990512_14.0420.C24.o1.gs	Method	GENSCAN
Start	57	End	252
GI	none	Score	.71
Exons	57..252		

Seq. No.	48828	Seq. ID	OJ990512_14.0420.C24
Gene No.	104033	Strand	-
Start	975	End	1540
Name	OJ990512_14.0420.C24.o1.np	Method	AAT/NAP
Start	969	End	1540

GI	6689826	Score	198
Exons	969..1122, 1222..1469, 1506..1540		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	48828	Seq. ID	OJ990512_14.0420.C24
Gene No.	104033	Strand	-
Start	975	End	1540
Name	OJ990512_14.0420.C24.o2.gs	Method	GENSCAN
Start	975	End	1456
GI	none	Score	.9
Exons	975..1122, 1219..1456		

Seq. No.	48828	Seq. ID	OJ990512_14.0420.C24
Gene No.	104033	Strand	-
Start	975	End	1540
Name	OJ990512_14.0420.C24.o1.tm	Method	TBLASTX:Maize
Start	981	End	1266
GI	none	Score	141
Exons	981..1103, 982..1104, 987..1124, 989..1108, 1214..1249, 1219..1266, 1219..1263, 1221..1265		

Seq. No.	48828	Seq. ID	OJ990512_14.0420.C24
Gene No.	104033	Strand	-
Start	975	End	1540
Name	OJ990512_14.0420.C24.o1.ts	Method	TBLASTX:Soybean
Start	1044	End	1424
GI	none	Score	60
Exons	1044..1121, 1221..1310, 1359..1424, 1360..1422		

Seq. No.	48829	Seq. ID	OJ990512_14.0420.C25
Gene No.	104034	Strand	-
Start	1	End	1729
Name	OJ990512_14.0420.C25.o1.np	Method	AAT/NAP
Start	1	End	1654
GI	4115525	Score	304
Exons	1..122, 669..869, 983..1145, 1512..1654		
GI Descrip.	(AB011667) dihydroflavonol 4-reductase [Ipomoea purpurea]		

Seq. No.	48829	Seq. ID	OJ990512_14.0420.C25
Gene No.	104034	Strand	-
Start	1	End	1729
Name	OJ990512_14.0420.C25.o1.gs	Method	GENSCAN
Start	36	End	1636
GI	none	Score	.92
Exons	36..122, 669..869, 983..1149, 1516..1636		

Seq. No.	48829	Seq. ID	OJ990512_14.0420.C25
Gene No.	104034	Strand	-
Start	1	End	1729
Name	OJ990512_14.0420.C25.o1.tm	Method	TBLASTX:Maize
Start	732	End	1108
GI	none	Score	112
Exons	732..872, 751..870, 983..1108, 983..1108		

Seq. No.	48829	Seq. ID	OJ990512_14.0420.C25
Gene No.	104034	Strand	-
Start	1	End	1729

Name	OJ990512_14.0420.C25.o1.tc	Method	TBLASTX:Cress
Start	741	End	1645
GI	none	Score	84
Exons	741..872, 983..1138, 1517..1645		

Seq. No.	48829	Seq. ID	OJ990512_14.0420.C25
Gene No.	104034	Strand	-
Start	1	End	1729
Name	OJ990512_14.0420.C25.o1.tw	Method	TBLASTX:Wheat
Start	757	End	1604
GI	none	Score	88
Exons	757..852, 757..840, 759..872, 975..1157, 991..1149, 1001..1180, 1007..1150, 1512..1598, 1517..1603, 1518..1604		

Seq. No.	48829	Seq. ID	OJ990512_14.0420.C25
Gene No.	104034	Strand	-
Start	1	End	1729
Name	OJ990512_14.0420.C25.o1.gp	Method	AAT/GAP
Start	768	End	1729
GI	17023_1.R1084	Score	837
Exons	768..869, 983..1149, 1516..1729		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	48830	Seq. ID	OJ990512_14.0420.C28
Gene No.	104035	Strand	+
Start	137	End	204
Name	OJ990512_14.0420.C28.o1.gp	Method	AAT/GAP
Start	137	End	204
GI	LIB3431-004-P1-K1-G12	Score	99
Exons	137..204		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	48830	Seq. ID	OJ990512_14.0420.C28
Gene No.	104036	Strand	-
Start	574	End	927
Name	OJ990512_14.0420.C28.o1.gs	Method	GENSCAN
Start	574	End	879
GI	none	Score	.92
Exons	574..627, 718..879		

Seq. No.	48830	Seq. ID	OJ990512_14.0420.C28
Gene No.	104036	Strand	-
Start	574	End	927
Name	OJ990512_14.0420.C28.o1.np	Method	AAT/NAP
Start	702	End	927
GI	6689826	Score	122
Exons	702..927		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	48830	Seq. ID	OJ990512_14.0420.C28
Gene No.	104036	Strand	-
Start	574	End	927
Name	OJ990512_14.0420.C28.o1.tm	Method	TBLASTX:Maize
Start	715	End	888
GI	none	Score	182

Exons	715..885, 718..888		
Seq. No.	48830	Seq. ID	OJ990512_14.0420.C28
Gene No.	104036	Strand	-
Start	574	End	927
Name	OJ990512_14.0420.C28.o1.tw	Method	TBLASTX:Wheat
Start	721	End	888
GI	none	Score	129
Exons	721..888, 736..885		
Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o1.np	Method	AAT/NAP
Start	3537	End	7706
GI	7489738	Score	4441
Exons	3537..3697, 3740..7706		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o1.tm	Method	TBLASTX:Maize
Start	3629	End	4640
GI	none	Score	586
Exons	3629..4207, 3630..4238, 4248..4379, 4319..4360, 4484..4534, 4575..4640		
Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o4.tw	Method	TBLASTX:Wheat
Start	4560	End	4997
GI	none	Score	110
Exons	4560..4757, 4827..4997		
Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o2.ts	Method	TBLASTX:Soybean
Start	4854	End	5240
GI	none	Score	344
Exons	4854..5240, 4865..5071		
Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o2.tw	Method	TBLASTX:Wheat
Start	5016	End	5678
GI	none	Score	252
Exons	5016..5255, 5030..5254, 5295..5600, 5318..5578, 5579..5653, 5580..5678		
Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+

Start	3537	End	7706
Name	OJ990512_14.0420.C29.o4.tm	Method	TBLASTX:Maize
Start	5031	End	5489
GI	none	Score	128
Exons	5031..5255, 5304..5489, 5306..5467		

Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o2.tc	Method	TBLASTX:Cress
Start	5295	End	5675
GI	none	Score	123
Exons	5295..5495, 5508..5675		

Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o4.ts	Method	TBLASTX:Soybean
Start	5295	End	5681
GI	none	Score	186
Exons	5295..5504, 5297..5476, 5508..5681		

Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o1.ts	Method	TBLASTX:Soybean
Start	6192	End	6629
GI	5509260	Score	365
Exons	6192..6629, 6281..6553, 6596..6628		
GI Descrip.	-		

Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o1.tc	Method	TBLASTX:Cress
Start	6279	End	6539
GI	none	Score	249
Exons	6279..6539, 6281..6517		

Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o1.tw	Method	TBLASTX:Wheat
Start	6320	End	7100
GI	none	Score	359
Exons	6320..6667, 6321..6665, 6321..6674, 6650..7096, 6660..7100		

Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o3.tm	Method	TBLASTX:Maize
Start	6321	End	6764
GI	none	Score	275
Exons	6321..6629, 6338..6628, 6663..6764		

Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+

Start	3537	End	7706
Name	OJ990512_14.0420.C29.o2.tm	Method	TBLASTX:Maize
Start	6765	End	7196
GI	none	Score	81
Exons	6765..6926, 6900..7196, 7040..7195		

Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o3.ts	Method	TBLASTX:Soybean
Start	7086	End	7652
GI	none	Score	131
Exons	7086..7268, 7277..7378, 7281..7472, 7461..7652		

Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o5.tm	Method	TBLASTX:Maize
Start	7209	End	7667
GI	none	Score	55
Exons	7209..7268, 7251..7427, 7476..7667		

Seq. No.	48831	Seq. ID	OJ990512_14.0420.C29
Gene No.	104037	Strand	+
Start	3537	End	7706
Name	OJ990512_14.0420.C29.o3.tw	Method	TBLASTX:Wheat
Start	7256	End	7655
GI	none	Score	282
Exons	7256..7489, 7260..7655		

Seq. No.	48832	Seq. ID	OJ990512_14.0420.C30
Gene No.	104038	Strand	+
Start	1815	End	2990
Name	OJ990512_14.0420.C30.o2.gs	Method	GENSCAN
Start	1815	End	2990
GI	none	Score	.56
Exons	1815..1987, 2093..2231, 2925..2990		

Seq. No.	48832	Seq. ID	OJ990512_14.0420.C30
Gene No.	104039	Strand	-
Start	1	End	1996
Name	OJ990512_14.0420.C30.o1.np	Method	AAT/NAP
Start	1	End	1982
GI	7488627	Score	257
Exons	1..65, 168..340, 644..822, 1532..1698, 1862..1982		
GI Descrip.	probable cinnamyl-alcohol dehydrogenase (EC 1.1.1.195) - apple tree gi|2981475|gb|AAC06319.1| (AF053084) putative cinnamyl alcohol dehydrogenase [Malus domestica]		

Seq. No.	48832	Seq. ID	OJ990512_14.0420.C30
Gene No.	104039	Strand	-
Start	1	End	1996
Name	OJ990512_14.0420.C30.o1.gs	Method	GENSCAN
Start	200	End	1693
GI	none	Score	.51
Exons	200..369, 613..822, 1531..1693		

Seq. No.	48832	Seq. ID	OJ990512_14.0420.C30
Gene No.	104039	Strand	-
Start	1	End	1996
Name	OJ990512_14.0420.C30.o1.gp	Method	AAT/GAP
Start	1540	End	1996
GI	17023_1.R1084	Score	409
Exons	1540..1698, 1862..1996		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	48832	Seq. ID	OJ990512_14.0420.C30
Gene No.	104040	Strand	-
Start	2701	End	4183
Name	OJ990512_14.0420.C30.o1.tw	Method	TBLASTX:Wheat
Start	708	End	1950
GI	none	Score	106
Exons	708..788, 712..825, 713..796, 1512..1691, 1529..1690, 1553..1696, 1579..1695, 1857..1949, 1858..1950		

Seq. No.	48832	Seq. ID	OJ990512_14.0420.C30
Gene No.	104040	Strand	-
Start	2701	End	4183
Name	OJ990512_14.0420.C30.o2.tm	Method	TBLASTX:Maize
Start	745	End	2022
GI	none	Score	73
Exons	745..831, 745..825, 1535..1699, 1556..1696, 1854..1964, 1855..2022, 1864..1968		

Seq. No.	48832	Seq. ID	OJ990512_14.0420.C30
Gene No.	104040	Strand	-
Start	2701	End	4183
Name	OJ990512_14.0420.C30.o2.gp	Method	AAT/GAP
Start	2701	End	3163
GI	2442924	Score	560
Exons	2701..2976, 3123..3163		
GI Descrip.	5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	48832	Seq. ID	OJ990512_14.0420.C30
Gene No.	104040	Strand	-
Start	2701	End	4183
Name	OJ990512_14.0420.C30.o2.np	Method	AAT/NAP
Start	2830	End	4183
GI	4850399	Score	563
Exons	2830..2976, 3123..3230, 3329..3388, 3422..3460, 3557..3969, 4039..4183		
GI Descrip.	(AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	48832	Seq. ID	OJ990512_14.0420.C30
Gene No.	104040	Strand	-
Start	2701	End	4183
Name	OJ990512_14.0420.C30.o1.ts	Method	TBLASTX:Soybean
Start	2857	End	3598
GI	none	Score	62
Exons	2857..2976, 2880..2984, 2914..2979, 3123..3230, 3127..3231, 3323..3400, 3557..3598		

Seq. No.	48832	Seq. ID	OJ990512_14.0420.C30
Gene No.	104040	Strand	-
Start	2701	End	4183
Name	OJ990512_14.0420.C30.o1.tm	Method	TBLASTX:Maize
Start	3183	End	4183
GI	none	Score	110
Exons	3183..3230, 3323..3430, 3328..3486, 3330..3437, 3553..3786, 3556..3786, 3856..3924, 3937..4041, 3953..4036, 3963..4040, 4031..4180, 4040..4183		

Seq. No.	48832	Seq. ID	OJ990512_14.0420.C30
Gene No.	104040	Strand	-
Start	2701	End	4183
Name	OJ990512_14.0420.C30.o3.gs	Method	GENSCAN
Start	3479	End	4137
GI	none	Score	.4
Exons	3479..4137		

Seq. No.	48832	Seq. ID	OJ990512_14.0420.C30
Gene No.	104040	Strand	-
Start	2701	End	4183
Name	OJ990512_14.0420.C30.o3.gp	Method	AAT/GAP
Start	3975	End	4183
GI	427365	Score	401
Exons	3975..4183		
GI Descrip.	4850399/gb|AAD31069.1|AC007357_18 1.0e-13 (AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	48833	Seq. ID	OJ990512_14.0420.C31
Gene No.	104041	Strand	+
Start	4295	End	5731
Name	OJ990512_14.0420.C31.o2.gs	Method	GENSCAN
Start	4295	End	5731
GI	none	Score	.7
Exons	4295..4700, 5613..5731		

Seq. No.	48833	Seq. ID	OJ990512_14.0420.C31
Gene No.	104042	Strand	-
Start	1	End	3282
Name	OJ990512_14.0420.C31.o1.gp	Method	AAT/GAP
Start	1	End	127
GI	427365	Score	166
Exons	1..127		
GI Descrip.	4850399/gb|AAD31069.1|AC007357_18 1.0e-13 (AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	48833	Seq. ID	OJ990512_14.0420.C31
Gene No.	104042	Strand	-
Start	1	End	3282
Name	OJ990512_14.0420.C31.o1.np	Method	AAT/NAP
Start	1	End	3263
GI	4850399	Score	976
Exons	1..139, 633..686, 770..844, 940..999, 1333..1437, 1707..1760, 1850..1999, 2104..2236, 2304..2428, 2557..2733, 2865..3263		
GI Descrip.	(AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	48833	Seq. ID	OJ990512_14.0420.C31

Gene No.	104042	Strand	-
Start	1	End	3282
Name	OJ990512_14.0420.C31.o1.tm	Method	TBLASTX:Maize
Start	27	End	1921
GI	none	Score	138
Exons	27..137, 53..139, 54..137, 61..141, 630..689, 634..687, 767..865, 769..840, 770..844, 937..1005, 940..1005, 1333..1431, 1334..1429, 1607..1657, 1704..1763, 1705..1761, 1850..1921, 1857..1919		

Seq. No.	48833	Seq. ID	OJ990512_14.0420.C31
Gene No.	104042	Strand	-
Start	1	End	3282
Name	OJ990512_14.0420.C31.o1.gs	Method	GENSCAN
Start	41	End	3275
GI	none	Score	.91
Exons	41..139, 1707..1760, 1850..1999, 2104..2236, 2304..2428, 2557..2733, 2865..3275		

Seq. No.	48833	Seq. ID	OJ990512_14.0420.C31
Gene No.	104042	Strand	-
Start	1	End	3282
Name	OJ990512_14.0420.C31.o2.ts	Method	TBLASTX:Soybean
Start	53	End	972
GI	none	Score	103
Exons	53..139, 54..140, 633..689, 636..686, 767..865, 769..840, 770..844, 937..972		

Seq. No.	48833	Seq. ID	OJ990512_14.0420.C31
Gene No.	104042	Strand	-
Start	1	End	3282
Name	OJ990512_14.0420.C31.o2.tm	Method	TBLASTX:Maize
Start	2140	End	2431
GI	none	Score	101
Exons	2140..2235, 2148..2234, 2194..2238, 2201..2239, 2273..2431, 2277..2426, 2303..2431		

Seq. No.	48833	Seq. ID	OJ990512_14.0420.C31
Gene No.	104042	Strand	-
Start	1	End	3282
Name	OJ990512_14.0420.C31.o1.ts	Method	TBLASTX:Soybean
Start	2294	End	2674
GI	none	Score	93
Exons	2294..2443, 2304..2426, 2557..2673, 2573..2674		

Seq. No.	48833	Seq. ID	OJ990512_14.0420.C31
Gene No.	104042	Strand	-
Start	1	End	3282
Name	OJ990512_14.0420.C31.o1.tc	Method	TBLASTX:Cress
Start	2874	End	3206
GI	none	Score	112
Exons	2874..3044, 3075..3206		

Seq. No.	48833	Seq. ID	OJ990512_14.0420.C31
Gene No.	104042	Strand	-
Start	1	End	3282
Name	OJ990512_14.0420.C31.o3.tm	Method	TBLASTX:Maize

Start	3117	End	3282
GI	none	Score	93
Exons	3117..3281, 3169..3282		

Seq. No.	48834	Seq. ID	OJ990512_14.0420.C32
Gene No.	104043	Strand	+
Start	156	End	369
Name	OJ990512_14.0420.C32.o1.gs	Method	GENSCAN
Start	156	End	369
GI	none	Score	.82
Exons	156..369		

Seq. No.	48834	Seq. ID	OJ990512_14.0420.C32
Gene No.	104044	Strand	+
Start	2255	End	6247
Name	OJ990512_14.0420.C32.o1.np	Method	AAT/NAP
Start	1040	End	6247
GI	1170619	Score	1132
Exons	1040..1128, 2537..2688, 2869..2978, 3088..3207, 3294..3501, 3592..3797, 3873..3947, 4030..4176, 4315..4461, 4571..4675, 5028..5186, 5264..5466, 5754..5835, 5991..6247		
GI Descrip.	KINESIN-LIKE PROTEIN A gi|479594|pir||S34830 kinesin-related protein katA - Arabidopsis thaliana gi|303502|dbj|BAA01972| (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] gi|2911084|emb|CAA17546.1| (AL021960) kinesin-related protein katA [Arabidopsis thaliana]		

Seq. No.	48834	Seq. ID	OJ990512_14.0420.C32
Gene No.	104044	Strand	+
Start	2255	End	6247
Name	OJ990512_14.0420.C32.o1.gp	Method	AAT/GAP
Start	1772	End	2123
GI	63359_1.R1084	Score	626
Exons	1772..2123		
GI Descrip.	'5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	48834	Seq. ID	OJ990512_14.0420.C32
Gene No.	104044	Strand	+
Start	2255	End	6247
Name	OJ990512_14.0420.C32.o2.gs	Method	GENSCAN
Start	2255	End	6095
GI	none	Score	.92
Exons	2255..2455, 2544..2688, 2869..2978, 3088..3207, 3294..3497, 3588..3797, 3873..3947, 4030..4176, 4315..4456, 4518..4675, 5264..5466, 5754..5835, 5991..6095		

Seq. No.	48834	Seq. ID	OJ990512_14.0420.C32
Gene No.	104044	Strand	+
Start	2255	End	6247
Name	OJ990512_14.0420.C32.o2.gp	Method	AAT/GAP
Start	2261	End	3126
GI	uC-osf1M202097d05b1	Score	870
Exons	2261..2455, 2544..2688, 2869..2978, 3088..3126		
GI Descrip.	'1170620/sp|P46864|KATB_ARATH 4.0e-19 KINESIN-LIKE PROTEIN B >gi_1084341_pir__S48019 kinesin-related protein katB - Arabidopsis thaliana >gi_1438842_dbj_BAA04673_ (D21137) heavy		

chain polypeptide of kinesin-like protein [Arabidopsis thaliana]'

Seq. No.	48834	Seq. ID	OJ990512_14.0420.C32
Gene No.	104044	Strand	+
Start	2255	End	6247
Name	OJ990512_14.0420.C32.o1.tm	Method	TBLASTX:Maize
Start	2318	End	4683
GI	none	Score	129
Exons	2318..2455, 2326..2448, 2541..2687, 2543..2689, 2543..2668, 2868..2981, 2868..2963, 3086..3205, 3088..3216, 3141..3209, 3288..3494, 3293..3499, 3294..3503, 3550..3768, 3567..3797, 3593..3799, 3594..3851, 3862..3903, 3868..3930, 3872..3934, 3872..3976, 4024..4131, 4025..4129, 4029..4130, 4123..4179, 4132..4176, 4314..4373, 4315..4458, 4410..4463, 4556..4600, 4570..4599, 4620..4637, 4636..4683, 4636..4683		

Seq. No.	48834	Seq. ID	OJ990512_14.0420.C32
Gene No.	104044	Strand	+
Start	2255	End	6247
Name	OJ990512_14.0420.C32.o1.tc	Method	TBLASTX:Cress
Start	2541	End	6095
GI	none	Score	88
Exons	2541..2678, 3303..3500, 3308..3436, 3594..3797, 3872..3946, 4027..4176, 4032..4178, 4315..4371, 4360..4458, 4556..4693, 4579..4683, 4589..4699, 5025..5084, 5027..5083, 5069..5188, 5085..5195, 5258..5338, 5260..5307, 5339..5467, 5748..5834, 5749..5835, 5984..6091, 5988..6095		

Seq. No.	48834	Seq. ID	OJ990512_14.0420.C32
Gene No.	104044	Strand	+
Start	2255	End	6247
Name	OJ990512_14.0420.C32.o2.ts	Method	TBLASTX:Soybean
Start	3329	End	3710
GI	none	Score	120
Exons	3329..3439, 3330..3503, 3594..3710, 3599..3709		

Seq. No.	48834	Seq. ID	OJ990512_14.0420.C32
Gene No.	104044	Strand	+
Start	2255	End	6247
Name	OJ990512_14.0420.C32.o1.ts	Method	TBLASTX:Soybean
Start	4369	End	5473
GI	none	Score	65
Exons	4369..4461, 4568..4693, 4572..4676, 4576..4683, 4580..4699, 5025..5105, 5027..5083, 5085..5195, 5102..5188, 5258..5311, 5260..5304, 5348..5473, 5350..5469		

Seq. No.	48834	Seq. ID	OJ990512_14.0420.C32
Gene No.	104044	Strand	+
Start	2255	End	6247
Name	OJ990512_14.0420.C32.o2.tm	Method	TBLASTX:Maize
Start	5020	End	5334
GI	none	Score	220
Exons	5020..5184, 5025..5195, 5027..5185, 5259..5333, 5259..5333, 5260..5334		

Seq. No.	48835	Seq. ID	OJ990512_14.0420.C34

Gene No.	104045	Strand	-
Start	605	End	1215
Name	OJ990512_14.0420.C34.o1.gs	Method	GENSCAN
Start	605	End	1215
GI	none	Score	.72
Exons	605..1054, 1089..1215		

Seq. No.	48835	Seq. ID	OJ990512_14.0420.C34
Gene No.	104045	Strand	-
Start	605	End	1215
Name	OJ990512_14.0420.C34.o1.np	Method	AAT/NAP
Start	605	End	1121
GI	7487480	Score	154
Exons	605..1121		
GI Descrip.	hypothetical protein T27E13.3 - Arabidopsis thaliana gi|2347189|gb|AAC16928.1| (AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48835	Seq. ID	OJ990512_14.0420.C34
Gene No.	104045	Strand	-
Start	605	End	1215
Name	OJ990512_14.0420.C34.o1.tm	Method	TBLASTX:Maize
Start	836	End	1042
GI	none	Score	80
Exons	836..946, 849..923, 881..931, 947..1042, 948..1034, 959..1042		

Seq. No.	48836	Seq. ID	OJ990512_14.0420.C35
Gene No.	104046	Strand	-
Start	1003	End	2398
Name	OJ990512_14.0420.C35.o1.gs	Method	GENSCAN
Start	1003	End	2105
GI	none	Score	.9
Exons	1003..1261, 1362..1599, 2009..2105		

Seq. No.	48836	Seq. ID	OJ990512_14.0420.C35
Gene No.	104046	Strand	-
Start	1003	End	2398
Name	OJ990512_14.0420.C35.o1.np	Method	AAT/NAP
Start	1100	End	2398
GI	6689826	Score	202
Exons	1100..1261, 1365..1599, 2009..2165, 2367..2398		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	48837	Seq. ID	OJ990512_14.0420.C36
Gene No.	104047	Strand	-
Start	354	End	476
Name	OJ990512_14.0420.C36.o1.gs	Method	GENSCAN
Start	354	End	476
GI	none	Score	.96
Exons	354..476		

Seq. No.	48837	Seq. ID	OJ990512_14.0420.C36
Gene No.	104048	Strand	-
Start	1709	End	2742
Name	OJ990512_14.0420.C36.o2.gs	Method	GENSCAN
Start	1709	End	2742
GI	none	Score	.52

Exons	1709..1926, 1953..2319, 2680..2742		
Seq. No.	48838	Seq. ID	OJ990512_14.0420.C37
Gene No.	104049	Strand	+
Start	415	End	943
Name	OJ990512_14.0420.C37.o1.gs	Method	GENSCAN
Start	415	End	943
GI	none	Score	.56
Exons	415..802, 924..943		
Seq. No.	48838	Seq. ID	OJ990512_14.0420.C37
Gene No.	104050	Strand	+
Start	1322	End	1604
Name	OJ990512_14.0420.C37.o3.np	Method	AAT/NAP
Start	1322	End	1449
GI	6721543	Score	86
Exons	1322..1449		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	48838	Seq. ID	OJ990512_14.0420.C37
Gene No.	104050	Strand	+
Start	1322	End	1604
Name	OJ990512_14.0420.C37.o2.gp	Method	AAT/GAP
Start	1336	End	1604
GI	7406_1.R1084	Score	414
Exons	1336..1604		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	48838	Seq. ID	OJ990512_14.0420.C37
Gene No.	104051	Strand	-
Start	1	End	1604
Name	OJ990512_14.0420.C37.o1.np	Method	AAT/NAP
Start	1	End	1604
GI	3894187	Score	108
Exons	1..78, 426..584, 1572..1604		
GI Descrip.	(AC005662) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	48838	Seq. ID	OJ990512_14.0420.C37
Gene No.	104051	Strand	-
Start	1	End	1604
Name	OJ990512_14.0420.C37.o1.gp	Method	AAT/GAP
Start	370	End	878
GI	LIB3432-015-P1-K1-B3	Score	767
Exons	370..471, 502..878		
GI Descrip.	'5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		
Seq. No.	48838	Seq. ID	OJ990512_14.0420.C37
Gene No.	104051	Strand	-
Start	1	End	1604
Name	OJ990512_14.0420.C37.o2.np	Method	AAT/NAP
Start	1068	End	1604
GI	5777617	Score	76
Exons	1068..1199, 1410..1470, 1549..1604		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	48838	Seq. ID	OJ990512_14.0420.C37
Gene No.	104051	Strand	-
Start	1	End	1604
Name	OJ990512_14.0420.C37.o2.gs	Method	GENSCAN
Start	1274	End	1414
GI	none	Score	.49
Exons	1274..1414		

Seq. No.	48839	Seq. ID	OJ990512_14.0420.C38
Gene No.	104052	Strand	-
Start	107	End	243
Name	OJ990512_14.0420.C38.o1.gs	Method	GENSCAN
Start	107	End	243
GI	none	Score	.83
Exons	107..243		

Seq. No.	48839	Seq. ID	OJ990512_14.0420.C38
Gene No.	104053	Strand	-
Start	151	End	306
Name	OJ990512_14.0420.C38.o1.np	Method	AAT/NAP
Start	151	End	306
GI	7363271	Score	133
Exons	151..306		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	48840	Seq. ID	OJ990512_14.0420.C42
Gene No.	104054	Strand	-
Start	342	End	849
Name	OJ990512_14.0420.C42.o1.gp	Method	AAT/GAP
Start	64	End	517
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	64..517		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	48840	Seq. ID	OJ990512_14.0420.C42
Gene No.	104054	Strand	-
Start	342	End	849
Name	OJ990512_14.0420.C42.o1.np	Method	AAT/NAP
Start	318	End	849
GI	7228442	Score	252
Exons	318..502, 826..849		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	48840	Seq. ID	OJ990512_14.0420.C42
Gene No.	104054	Strand	-
Start	342	End	849
Name	OJ990512_14.0420.C42.o1.gs	Method	GENSCAN
Start	342	End	778
GI	none	Score	.64
Exons	342..502, 638..778		

Seq. No.	48840	Seq. ID	OJ990512_14.0420.C42
Gene No.	104054	Strand	-
Start	342	End	849

Name	OJ990512_14.0420.C42.o2.np	Method	AAT/NAP
Start	621	End	849
GI	5441880	Score	352
Exons	621..849		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	48841	Seq. ID	OJ990512_14.0420.C43
Gene No.	104055	Strand	-
Start	1	End	1496
Name	OJ990512_14.0420.C43.o1.np	Method	AAT/NAP
Start	1	End	1496
GI	7228438	Score	1738
Exons	1..352, 432..730, 821..1231, 1315..1496		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	48841	Seq. ID	OJ990512_14.0420.C43
Gene No.	104055	Strand	-
Start	1	End	1496
Name	OJ990512_14.0420.C43.o1.gs	Method	GENSCAN
Start	94	End	1349
GI	none	Score	.76
Exons	94..300, 479..730, 821..1231, 1315..1349		

Seq. No.	48841	Seq. ID	OJ990512_14.0420.C43
Gene No.	104055	Strand	-
Start	1	End	1496
Name	OJ990512_14.0420.C43.o1.gp	Method	AAT/GAP
Start	102	End	604
GI	LIB3475-007-P1-K1-G8	Score	794
Exons	102..352, 432..604		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	48842	Seq. ID	OJ990512_14.0420.C45
Gene No.	104056	Strand	+
Start	1137	End	2270
Name	OJ990512_14.0420.C45.o1.gs	Method	GENSCAN
Start	1137	End	2270
GI	none	Score	.99
Exons	1137..2270		

Seq. No.	48842	Seq. ID	OJ990512_14.0420.C45
Gene No.	104057	Strand	+
Start	3271	End	5245
Name	OJ990512_14.0420.C45.o2.gs	Method	GENSCAN
Start	3271	End	4943
GI	none	Score	.8
Exons	3271..3394, 3717..3853, 4260..4378, 4862..4943		

Seq. No.	48842	Seq. ID	OJ990512_14.0420.C45
Gene No.	104057	Strand	+
Start	3271	End	5245

Name	OJ990512_14.0420.C45.o1.np	Method	AAT/NAP
Start	3717	End	5245
GI	5295955	Score	209
Exons	3717..3785, 4324..4437, 5119..5245		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	48843	Seq. ID	OJ990312_15.0419.C1
Gene No.	104058	Strand	+
Start	125	End	725
Name	OJ990312_15.0419.C1.o1.tm	Method	TBLASTX:Maize
Start	108	End	725
GI	none	Score	497
Exons	108..407, 122..496, 125..520, 472..519, 499..546, 500..547, 642..725, 649..720		

Seq. No.	48843	Seq. ID	OJ990312_15.0419.C1
Gene No.	104058	Strand	+
Start	125	End	725
Name	OJ990312_15.0419.C1.o1.gs	Method	GENSCAN
Start	125	End	580
GI	none	Score	.44
Exons	125..580		

Seq. No.	48843	Seq. ID	OJ990312_15.0419.C1
Gene No.	104058	Strand	+
Start	125	End	725
Name	OJ990312_15.0419.C1.o1.np	Method	AAT/NAP
Start	125	End	725
GI	5080792	Score	238
Exons	125..280, 344..547, 643..725		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	48843	Seq. ID	OJ990312_15.0419.C1
Gene No.	104058	Strand	+
Start	125	End	725
Name	OJ990312_15.0419.C1.o1.ts	Method	TBLASTX:Soybean
Start	142	End	520
GI	none	Score	131
Exons	142..219, 143..256, 244..345, 245..328, 343..504, 347..520, 365..514		

Seq. No.	48843	Seq. ID	OJ990312_15.0419.C1
Gene No.	104058	Strand	+
Start	125	End	725
Name	OJ990312_15.0419.C1.o1.tw	Method	TBLASTX:Wheat
Start	245	End	723
GI	none	Score	368
Exons	245..547, 245..553, 637..720, 649..723		

Seq. No.	48844	Seq. ID	OJ990312_15.0419.C3
Gene No.	104059	Strand	+
Start	562	End	1635
Name	OJ990312_15.0419.C3.o1.gs	Method	GENSCAN
Start	562	End	1635
GI	none	Score	.86
Exons	562..662, 1011..1146, 1435..1635		

Seq. No.	48845	Seq. ID	OJ990312_15.0419.C6
Gene No.	104060	Strand	+
Start	1	End	519
Name	OJ990312_15.0419.C6.o1.np	Method	AAT/NAP
Start	1	End	340
GI	4056477	Score	219
Exons	1..173, 278..340		
GI Descrip.	(AC005896) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	48845	Seq. ID	OJ990312_15.0419.C6
Gene No.	104060	Strand	+
Start	1	End	519
Name	OJ990312_15.0419.C6.o1.tc	Method	TBLASTX:Cress
Start	27	End	343
GI	none	Score	150
Exons	27..173, 51..170, 232..330, 278..343		

Seq. No.	48845	Seq. ID	OJ990312_15.0419.C6
Gene No.	104060	Strand	+
Start	1	End	519
Name	OJ990312_15.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	48	End	361
GI	none	Score	202
Exons	48..173, 54..173, 88..177, 96..152, 265..348, 278..349, 278..361, 283..351		

Seq. No.	48845	Seq. ID	OJ990312_15.0419.C6
Gene No.	104060	Strand	+
Start	1	End	519
Name	OJ990312_15.0419.C6.o1.gp	Method	AAT/GAP
Start	80	End	519
GI	43801_1.R1084	Score	593
Exons	80..173, 278..519		
GI Descrip.	'4056477 1.0e-16 (AC005896) putative RNA binding protein [Arabidopsis thaliana]'		

Seq. No.	48845	Seq. ID	OJ990312_15.0419.C6
Gene No.	104060	Strand	+
Start	1	End	519
Name	OJ990312_15.0419.C6.o1.gs	Method	GENSCAN
Start	278	End	343
GI	none	Score	.7
Exons	278..343		

Seq. No.	48846	Seq. ID	OJ990312_15.0419.C7
Gene No.	104061	Strand	+
Start	245	End	732
Name	OJ990312_15.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	209	End	732
GI	none	Score	80
Exons	209..298, 224..283, 225..299, 399..434, 406..447, 406..435, 435..470, 462..542, 475..543, 490..552, 492..551, 547..576, 550..579, 551..580, 574..603, 575..643, 584..610, 624..719, 656..727, 657..731, 658..732		

Seq. No.	48846	Seq. ID	OJ990312_15.0419.C7

Gene No.	104061	Strand	+
Start	245	End	732
Name	OJ990312_15.0419.C7.o1.gp	Method	AAT/GAP
Start	245	End	732
GI	none	Score	582
Exons	245..296, 464..732		

Seq. No.	48847	Seq. ID	OJ990312_15.0419.C8
Gene No.	104062	Strand	-
Start	122	End	1378
Name	OJ990312_15.0419.C8.o1.gs	Method	GENSCAN
Start	122	End	1378
GI	none	Score	.79
Exons	122..234, 524..557, 635..722, 784..903, 1259..1378		

Seq. No.	48848	Seq. ID	OJ990312_15.0419.C9
Gene No.	104063	Strand	+
Start	895	End	1151
Name	OJ990312_15.0419.C9.o1.gs	Method	GENSCAN
Start	895	End	1145
GI	none	Score	.74
Exons	895..1145		

Seq. No.	48848	Seq. ID	OJ990312_15.0419.C9
Gene No.	104063	Strand	+
Start	895	End	1151
Name	OJ990312_15.0419.C9.o1.np	Method	AAT/NAP
Start	899	End	1151
GI	7340661	Score	225
Exons	899..1151		
GI Descrip.	(AL162506) putative protein [Arabidopsis thaliana]		

Seq. No.	48848	Seq. ID	OJ990312_15.0419.C9
Gene No.	104063	Strand	+
Start	895	End	1151
Name	OJ990312_15.0419.C9.o1.tc	Method	TBLASTX:Cress
Start	927	End	1142
GI	none	Score	250
Exons	927..1142, 937..1134		

Seq. No.	48848	Seq. ID	OJ990312_15.0419.C9
Gene No.	104063	Strand	+
Start	895	End	1151
Name	OJ990312_15.0419.C9.o1.ts	Method	TBLASTX:Soybean
Start	927	End	1143
GI	none	Score	255
Exons	927..1136, 937..1134, 937..1143		

Seq. No.	48848	Seq. ID	OJ990312_15.0419.C9
Gene No.	104063	Strand	+
Start	895	End	1151
Name	OJ990312_15.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	985	End	1136
GI	none	Score	181
Exons	985..1134, 993..1136		

Seq. No.	48849	Seq. ID	OJ990312_15.0419.C12

Gene No.	104064	Strand	+
Start	1815	End	2158
Name	OJ990312_15.0419.C12.o1.gs	Method	GENSCAN
Start	1815	End	2158
GI	none	Score	.84
Exons	1815..1889, 1991..2158		

Seq. No.	48849	Seq. ID	OJ990312_15.0419.C12
Gene No.	104065	Strand	-
Start	2362	End	2526
Name	OJ990312_15.0419.C12.o1.np	Method	AAT/NAP
Start	2362	End	2526
GI	7340866	Score	120
Exons	2362..2526		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48850	Seq. ID	OJ990312_15.0419.C13
Gene No.	104066	Strand	+
Start	566	End	643
Name	OJ990312_15.0419.C13.o1.np	Method	AAT/NAP
Start	566	End	643
GI	6630699	Score	89
Exons	566..643		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	48850	Seq. ID	OJ990312_15.0419.C13
Gene No.	104067	Strand	+
Start	771	End	2351
Name	OJ990312_15.0419.C13.o2.np	Method	AAT/NAP
Start	771	End	2351
GI	6539570	Score	217
Exons	771..973, 1120..1197, 2325..2351		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	48850	Seq. ID	OJ990312_15.0419.C13
Gene No.	104068	Strand	-
Start	560	End	986
Name	OJ990312_15.0419.C13.o1.gp	Method	AAT/GAP
Start	560	End	986
GI	LIB3479-006-Q6-K1-B11	Score	609
Exons	560..986		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	48851	Seq. ID	OJ990312_15.0419.C14
Gene No.	104069	Strand	-
Start	273	End	419
Name	OJ990312_15.0419.C14.o1.gs	Method	GENSCAN
Start	273	End	419
GI	none	Score	.92
Exons	273..419		

Seq. No.	48852	Seq. ID	OJ990312_15.0419.C15
Gene No.	104070	Strand	+
Start	1	End	724

Name	OJ990312_15.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	724
GI	7487781	Score	94
Exons	1..47, 217..249, 356..445, 705..724		
GI Descrip.	hypothetical protein T6K21.90 - Arabidopsis thaliana gi|2894600|emb|CAA17134.1| (AL021889) putative protein [Arabidopsis thaliana] gi|7268543|emb|CAB78793.1| (AL161547) putative protein [Arabidopsis thaliana]		

Seq. No.	48853	Seq. ID	OJ990312_15.0419.C16
Gene No.	104071	Strand	+
Start	216	End	721
Name	OJ990312_15.0419.C16.o1.gs	Method	GENSCAN
Start	216	End	562
GI	none	Score	.88
Exons	216..357, 405..562		

Seq. No.	48853	Seq. ID	OJ990312_15.0419.C16
Gene No.	104071	Strand	+
Start	216	End	721
Name	OJ990312_15.0419.C16.o1.np	Method	AAT/NAP
Start	292	End	721
GI	7407659	Score	203
Exons	292..358, 449..721		
GI Descrip.	(AF247162) alpha-expansin OsEXP5 [Oryza sativa]		

Seq. No.	48854	Seq. ID	OJ990312_15.0419.C17
Gene No.	104072	Strand	+
Start	1	End	870
Name	OJ990312_15.0419.C17.o1.np	Method	AAT/NAP
Start	1	End	870
GI	100294	Score	215
Exons	1..159, 652..757, 837..870		
GI Descrip.	ribonucleoprotein B, 29K - wood tobacco gi|14135|emb|CAA43428.1| (X61114) 29kD B ribonucleoprotein [Nicotiana sylvestris]		

Seq. No.	48854	Seq. ID	OJ990312_15.0419.C17
Gene No.	104072	Strand	+
Start	1	End	870
Name	OJ990312_15.0419.C17.o1.gs	Method	GENSCAN
Start	99	End	753
GI	none	Score	.76
Exons	99..227, 652..753		

Seq. No.	48855	Seq. ID	OJ990312_15.0419.C18
Gene No.	104073	Strand	-
Start	719	End	842
Name	OJ990312_15.0419.C18.o1.gs	Method	GENSCAN
Start	719	End	842
GI	none	Score	.5
Exons	719..842		

Seq. No.	48856	Seq. ID	OJ990312_15.0419.C19
Gene No.	104074	Strand	+
Start	1	End	1101
Name	OJ990312_15.0419.C19.o1.np	Method	AAT/NAP
Start	1	End	1101

GI	7487781	Score	190
Exons	1..74, 568..656, 906..1101		
GI Descrip.	hypothetical protein T6K21.90 - Arabidopsis thaliana gi|2894600|emb|CAA17134.1| (AL021889) putative protein [Arabidopsis thaliana] gi|7268543|emb|CAB78793.1| (AL161547) putative protein [Arabidopsis thaliana]		

Seq. No.	48856	Seq. ID	OJ990312_15.0419.C19
Gene No.	104074	Strand	+
Start	1	End	1101
Name	OJ990312_15.0419.C19.o1.gp	Method	AAT/GAP
Start	354	End	1032
GI	2443118	Score	375
Exons	354..398, 569..656, 906..1032		
GI Descrip.	2894600/emb|CAA17134.1| 1.0e-47 (AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	48856	Seq. ID	OJ990312_15.0419.C19
Gene No.	104074	Strand	+
Start	1	End	1101
Name	OJ990312_15.0419.C19.o1.gs	Method	GENSCAN
Start	569	End	1032
GI	none	Score	.63
Exons	569..656, 906..1032		

Seq. No.	48857	Seq. ID	OJ990312_15.0419.C21
Gene No.	104075	Strand	+
Start	1	End	2592
Name	OJ990312_15.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	2592
GI	6714473	Score	679
Exons	1..50, 468..546, 628..701, 799..894, 1500..1554, 1659..1766, 1849..1930, 2245..2357, 2512..2592		
GI Descrip.	(AC008261) putative polypyrimidine tract-binding protein [Arabidopsis thaliana]		

Seq. No.	48857	Seq. ID	OJ990312_15.0419.C21
Gene No.	104075	Strand	+
Start	1	End	2592
Name	OJ990312_15.0419.C21.o1.tm	Method	TBLASTX:Maize
Start	80	End	2357
GI	none	Score	72
Exons	80..151, 85..150, 141..179, 150..179, 409..546, 483..548, 483..545, 622..711, 624..704, 800..895, 802..894, 1498..1545, 1659..1682, 1846..1926, 2226..2294, 2310..2357		

Seq. No.	48857	Seq. ID	OJ990312_15.0419.C21
Gene No.	104075	Strand	+
Start	1	End	2592
Name	OJ990312_15.0419.C21.o1.tc	Method	TBLASTX:Cress
Start	433	End	2586
GI	none	Score	64
Exons	433..546, 472..561, 483..542, 625..729, 625..702, 796..894, 797..895, 797..901, 827..895, 1497..1544, 1498..1545, 1647..1769, 1658..1768, 1848..1925, 1848..1934, 1849..1926, 1849..1926, 2226..2357, 2228..2353, 2244..2357, 2254..2358, 2272..2358, 2304..2357, 2476..2586		

Seq. No.	48857	Seq. ID	OJ990312_15.0419.C21
Gene No.	104075	Strand	+
Start	1	End	2592
Name	OJ990312_15.0419.C21.o1.ts	Method	TBLASTX:Soybean
Start	472	End	1947
GI	none	Score	68
Exons	472..546, 475..561, 483..545, 625..702, 796..876, 797..895, 1497..1544, 1498..1545, 1655..1756, 1658..1768, 1659..1769, 1819..1929, 1846..1947, 1848..1934, 1848..1934		

Seq. No.	48857	Seq. ID	OJ990312_15.0419.C21
Gene No.	104075	Strand	+
Start	1	End	2592
Name	OJ990312_15.0419.C21.o1.gs	Method	GENSCAN
Start	484	End	2551
GI	none	Score	.89
Exons	484..546, 628..701, 799..894, 1500..1554, 1662..1766, 1849..1930, 2245..2357, 2512..2551		

Seq. No.	48857	Seq. ID	OJ990312_15.0419.C21
Gene No.	104075	Strand	+
Start	1	End	2592
Name	OJ990312_15.0419.C21.o1.gp	Method	AAT/GAP
Start	1896	End	2592
GI	77048_1.R1084	Score	402
Exons	1896..1930, 2245..2357, 2512..2592		
GI Descrip.	'3395938 6.0e-26 (AF076924) polypyrimidine tract-binding protein homolog [Arabidopsis thaliana]'		

Seq. No.	48857	Seq. ID	OJ990312_15.0419.C21
Gene No.	104075	Strand	+
Start	1	End	2592
Name	OJ990312_15.0419.C21.o2.ts	Method	TBLASTX:Soybean
Start	2226	End	2358
GI	none	Score	194
Exons	2226..2357, 2234..2356, 2260..2358, 2284..2358		

Seq. No.	48858	Seq. ID	OJ990312_15.0419.C22
Gene No.	104076	Strand	+
Start	1	End	946
Name	OJ990312_15.0419.C22.o1.np	Method	AAT/NAP
Start	1	End	946
GI	6466937	Score	795
Exons	1..946		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	48858	Seq. ID	OJ990312_15.0419.C22
Gene No.	104076	Strand	+
Start	1	End	946
Name	OJ990312_15.0419.C22.o1.tm	Method	TBLASTX:Maize
Start	42	End	573
GI	none	Score	268
Exons	42..299, 43..309, 307..573, 309..554		

Seq. No.	48858	Seq. ID	OJ990312_15.0419.C22

Gene No.	104076	Strand	+
Start	1	End	946
Name	OJ990312_15.0419.C22.o1.ts	Method	TBLASTX:Soybean
Start	43	End	345
GI	none	Score	232
Exons	43..312, 57..308, 310..345		

Seq. No.	48858	Seq. ID	OJ990312_15.0419.C22
Gene No.	104076	Strand	+
Start	1	End	946
Name	OJ990312_15.0419.C22.o2.tw	Method	TBLASTX:Wheat
Start	196	End	573
GI	none	Score	89
Exons	196..312, 309..443, 310..573		

Seq. No.	48858	Seq. ID	OJ990312_15.0419.C22
Gene No.	104076	Strand	+
Start	1	End	946
Name	OJ990312_15.0419.C22.o1.gs	Method	GENSCAN
Start	445	End	865
GI	none	Score	.41
Exons	445..865		

Seq. No.	48858	Seq. ID	OJ990312_15.0419.C22
Gene No.	104076	Strand	+
Start	1	End	946
Name	OJ990312_15.0419.C22.o2.tm	Method	TBLASTX:Maize
Start	657	End	942
GI	none	Score	271
Exons	657..935, 703..942		

Seq. No.	48858	Seq. ID	OJ990312_15.0419.C22
Gene No.	104076	Strand	+
Start	1	End	946
Name	OJ990312_15.0419.C22.o1.tw	Method	TBLASTX:Wheat
Start	663	End	942
GI	none	Score	70
Exons	663..941, 669..932, 703..942		

Seq. No.	48859	Seq. ID	OJ990312_15.0419.C23
Gene No.	104077	Strand	+
Start	343	End	2052
Name	OJ990312_15.0419.C23.o1.gs	Method	GENSCAN
Start	343	End	2052
GI	none	Score	.73
Exons	343..525, 590..665, 708..747, 1677..1805, 1885..2052		1025..1139, 1242..1445,

Seq. No.	48859	Seq. ID	OJ990312_15.0419.C23
Gene No.	104077	Strand	+
Start	343	End	2052
Name	OJ990312_15.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	1037	End	1439
GI	none	Score	94
Exons	1037..1135, 1044..1139, 1245..1439		

Seq. No.	48860	Seq. ID	OJ990312_15.0419.C24

Gene No.	104078	Strand	+
Start	627	End	6153
Name	OJ990312_15.0419.C24.o1.gs	Method	GENSCAN
Start	627	End	6153
GI	none	Score	.61
Exons	627..717, 1473..1573, 2258..2347, 4788..4899, 5513..5613, 5706..5818, 5991..6153		

Seq. No.	48860	Seq. ID	OJ990312_15.0419.C24
Gene No.	104078	Strand	+
Start	627	End	6153
Name	OJ990312_15.0419.C24.o2.gp	Method	AAT/GAP
Start	5695	End	6147
GI	5667517	Score	732
Exons	5695..6147		

Seq. No.	48860	Seq. ID	OJ990312_15.0419.C24
Gene No.	104079	Strand	-
Start	2575	End	2630
Name	OJ990312_15.0419.C24.o1.ts	Method	TBLASTX:Soybean
Start	538	End	683
GI	none	Score	186
Exons	538..681, 543..683		

Seq. No.	48860	Seq. ID	OJ990312_15.0419.C24
Gene No.	104079	Strand	-
Start	2575	End	2630
Name	OJ990312_15.0419.C24.o1.gp	Method	AAT/GAP
Start	2575	End	2630
GI	15361_2.R1084	Score	80
Exons	2575..2630		
GI Descrip.	'4510346/gb|AAD21435.1| 5.0e-12 (AC006921) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48860	Seq. ID	OJ990312_15.0419.C24
Gene No.	104080	Strand	
Start	3838	End	5832
Name	OJ990312_15.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	3838	End	5832
GI	none	Score	77
Exons	3838..3927, 4110..4250, 4117..4251, 4142..4249, 4789..4845, 4790..4837, 4835..4900, 4842..4901, 5512..5613, 5513..5608, 5704..5832, 5704..5808		

Seq. No.	48861	Seq. ID	OJ990312_15.0419.C25
Gene No.	104081	Strand	+
Start	1218	End	1896
Name	OJ990312_15.0419.C25.o2.gp	Method	AAT/GAP
Start	1218	End	1896
GI	LIB3432-040-P1-K1-G9	Score	804
Exons	1218..1334, 1485..1695, 1773..1896		
GI Descrip.	'5441877/dbj|BAA82375.1| 3.0e-18 (AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]'		

Seq. No.	48861	Seq. ID	OJ990312_15.0419.C25
Gene No.	104082	Strand	-

Start	1	End	443
Name	OJ990312_15.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	264
GI	5080796	Score	52
Exons	1..264		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	48861	Seq. ID	OJ990312_15.0419.C25
Gene No.	104082	Strand	-
Start	1	End	443
Name	OJ990312_15.0419.C25.o1.gs	Method	GENSCAN
Start	45	End	443
GI	none	Score	.78
Exons	45..443		

Seq. No.	48861	Seq. ID	OJ990312_15.0419.C25
Gene No.	104083	Strand	-
Start	969	End	1202
Name	OJ990312_15.0419.C25.o1.gp	Method	AAT/GAP
Start	969	End	1202
GI	none	Score	408
Exons	969..1202		

Seq. No.	48861	Seq. ID	OJ990312_15.0419.C25
Gene No.	104084	Strand	-
Start	1174	End	2054
Name	OJ990312_15.0419.C25.o2.gs	Method	GENSCAN
Start	1174	End	1953
GI	none	Score	.98
Exons	1174..1345, 1453..1650, 1754..1953		

Seq. No.	48861	Seq. ID	OJ990312_15.0419.C25
Gene No.	104084	Strand	-
Start	1174	End	2054
Name	OJ990312_15.0419.C25.o2.np	Method	AAT/NAP
Start	1183	End	2054
GI	5441877	Score	339
Exons	1183..1345, 1453..1650, 1754..2054		
GI Descrip.	(AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]		

Seq. No.	48861	Seq. ID	OJ990312_15.0419.C25
Gene No.	104084	Strand	-
Start	1174	End	2054
Name	OJ990312_15.0419.C25.o1.ts	Method	TBLASTX:Soybean
Start	1195	End	1974
GI	none	Score	77
Exons	1195..1314, 1261..1347, 1518..1652, 1522..1626, 1747..1974, 1748..1954		

Seq. No.	48861	Seq. ID	OJ990312_15.0419.C25
Gene No.	104084	Strand	-
Start	1174	End	2054
Name	OJ990312_15.0419.C25.o1.tm	Method	TBLASTX:Maize
Start	1196	End	1968
GI	none	Score	136
Exons	1196..1348, 1201..1353, 1201..1347, 1202..1348, 1443..1505,		

1445..1507, 1506..1658, 1507..1650, 1747..1968, 1757..1948

Seq. No.	48861	Seq. ID	OJ990312_15.0419.C25
Gene No.	104084	Strand	-
Start	1174	End	2054
Name	OJ990312_15.0419.C25.o1.tc	Method	TBLASTX:Cress
Start	1198	End	1899
GI	none	Score	81
Exons	1198..1278, 1518..1652, 1522..1626, 1747..1899		

Seq. No.	48861	Seq. ID	OJ990312_15.0419.C25
Gene No.	104084	Strand	-
Start	1174	End	2054
Name	OJ990312_15.0419.C25.o1.tw	Method	TBLASTX:Wheat
Start	1515	End	1968
GI	none	Score	139
Exons	1515..1658, 1516..1650, 1747..1968, 1755..1919, 1756..1965		

Seq. No.	48862	Seq. ID	OJ990312_15.0419.C26
Gene No.	104085	Strand	-
Start	1	End	1661
Name	OJ990312_15.0419.C26.o1.np	Method	AAT/NAP
Start	1	End	1661
GI	3461821	Score	258
Exons	1..22, 231..476, 1043..1150, 1418..1545, 1634..1661		
GI Descrip.	(AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]		

Seq. No.	48862	Seq. ID	OJ990312_15.0419.C26
Gene No.	104085	Strand	-
Start	1	End	1661
Name	OJ990312_15.0419.C26.o1.tm	Method	TBLASTX:Maize
Start	207	End	1534
GI	none	Score	85
Exons	207..338, 239..340, 241..351, 242..337, 360..413, 365..418, 367..414, 892..945, 893..943, 899..949, 900..962, 1024..1143, 1043..1153, 1043..1153, 1044..1154, 1048..1155, 1410..1487, 1415..1531, 1418..1534		

Seq. No.	48862	Seq. ID	OJ990312_15.0419.C26
Gene No.	104085	Strand	-
Start	1	End	1661
Name	OJ990312_15.0419.C26.o1.gs	Method	GENSCAN
Start	237	End	1530
GI	none	Score	.8
Exons	237..419, 900..942, 1043..1150, 1418..1530		

Seq. No.	48862	Seq. ID	OJ990312_15.0419.C26
Gene No.	104085	Strand	-
Start	1	End	1661
Name	OJ990312_15.0419.C26.o1.gp	Method	AAT/GAP
Start	423	End	946
GI	none	Score	999
Exons	423..946		

Seq. No.	48862	Seq. ID	OJ990312_15.0419.C26
Gene No.	104085	Strand	-

Start	1	End	1661
Name	OJ990312_15.0419.C26.o1.ts	Method	TBLASTX:Soybean
Start	1046	End	1544
GI	none	Score	86
Exons	1046..1153, 1410..1487, 1411..1536, 1415..1543, 1416..1544		

Seq. No.	48863	Seq. ID	OJ990312_15.0419.C27
Gene No.	104086	Strand	+
Start	103	End	1128
Name	OJ990312_15.0419.C27.o1.gs	Method	GENSCAN
Start	103	End	1128
GI	none	Score	.59
Exons	103..255, 297..350, 652..1128		

Seq. No.	48864	Seq. ID	OJ990312_15.0419.C28
Gene No.	104087	Strand	-
Start	441	End	642
Name	OJ990312_15.0419.C28.o1.np	Method	AAT/NAP
Start	441	End	630
GI	3395938	Score	224
Exons	441..630		
GI Descrip.	(AF076924) polypyrimidine tract-binding protein homolog [Arabidopsis thaliana]		

Seq. No.	48864	Seq. ID	OJ990312_15.0419.C28
Gene No.	104087	Strand	-
Start	441	End	642
Name	OJ990312_15.0419.C28.o1.gs	Method	GENSCAN
Start	448	End	642
GI	none	Score	.97
Exons	448..642		

Seq. No.	48864	Seq. ID	OJ990312_15.0419.C28
Gene No.	104087	Strand	-
Start	441	End	642
Name	OJ990312_15.0419.C28.o1.tw	Method	TBLASTX:Wheat
Start	448	End	609
GI	none	Score	123
Exons	448..609, 449..607, 523..609		

Seq. No.	48864	Seq. ID	OJ990312_15.0419.C28
Gene No.	104087	Strand	-
Start	441	End	642
Name	OJ990312_15.0419.C28.o1.tc	Method	TBLASTX:Cress
Start	448	End	639
GI	none	Score	134
Exons	448..609, 449..607, 523..639		

Seq. No.	48864	Seq. ID	OJ990312_15.0419.C28
Gene No.	104087	Strand	-
Start	441	End	642
Name	OJ990312_15.0419.C28.o1.ts	Method	TBLASTX:Soybean
Start	448	End	618
GI	none	Score	189
Exons	448..609, 449..607, 523..618		

Seq. No.	48864	Seq. ID	OJ990312_15.0419.C28

Gene No.	104087	Strand	-
Start	441	End	642
Name	OJ990312_15.0419.C28.o1.tm	Method	TBLASTX:Maize
Start	448	End	609
GI	none	Score	193
Exons	448..609, 449..607, 523..609		

Seq. No.	48865	Seq. ID	OJ990312_15.0419.C29
Gene No.	104088	Strand	+
Start	222	End	1570
Name	OJ990312_15.0419.C29.o1.gs	Method	GENSCAN
Start	222	End	1570
GI	none	Score	.74
Exons	222..247, 295..465, 1468..1570		

Seq. No.	48866	Seq. ID	OJ990312_15.0419.C31
Gene No.	104089	Strand	+
Start	102	End	2738
Name	OJ990312_15.0419.C31.o1.np	Method	AAT/NAP
Start	102	End	2738
GI	7339707	Score	90
Exons	102..198, 647..795, 1244..1319, 1617..1809, 1879..1927, 2634..2738		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	48866	Seq. ID	OJ990312_15.0419.C31
Gene No.	104089	Strand	+
Start	102	End	2738
Name	OJ990312_15.0419.C31.o1.gp	Method	AAT/GAP
Start	624	End	1097
GI	48882_1.R1084	Score	903
Exons	624..1097		
GI Descrip.	'5091597/gb|AC007858.1|10A19I 7.0e-31 Oryza sativa chromosome 1 BAC 10A19I, complete sequence'		

Seq. No.	48866	Seq. ID	OJ990312_15.0419.C31
Gene No.	104090	Strand	-
Start	596	End	1087
Name	OJ990312_15.0419.C31.o1.gs	Method	GENSCAN
Start	596	End	1087
GI	none	Score	.69
Exons	596..645, 749..896, 1001..1087		

Seq. No.	48866	Seq. ID	OJ990312_15.0419.C31
Gene No.	104091	Strand	-
Start	1194	End	1667
Name	OJ990312_15.0419.C31.o2.gs	Method	GENSCAN
Start	1194	End	1667
GI	none	Score	.89
Exons	1194..1267, 1613..1667		

Seq. No.	48867	Seq. ID	OJ990312_15.0419.C32
Gene No.	104092	Strand	+
Start	1342	End	1846
Name	OJ990312_15.0419.C32.o1.gs	Method	GENSCAN
Start	1342	End	1846
GI	none	Score	.72

Exons	1342..1494, 1502..1846		
Seq. No.	48867	Seq. ID	OJ990312_15.0419.C32
Gene No.	104093	Strand	-
Start	2966	End	3121
Name	OJ990312_15.0419.C32.o2.gs	Method	GENSCAN
Start	2966	End	3121
GI	none	Score	.42
Exons	2966..3121		
Seq. No.	48868	Seq. ID	OJ990312_15.0419.C33
Gene No.	104094	Strand	+
Start	1	End	210
Name	OJ990312_15.0419.C33.o1.np	Method	AAT/NAP
Start	1	End	210
GI	1223972	Score	282
Exons	1..210		
GI Descrip.	(U40814) unknown [Oryza sativa]		
Seq. No.	48868	Seq. ID	OJ990312_15.0419.C33
Gene No.	104095	Strand	+
Start	306	End	461
Name	OJ990312_15.0419.C33.o1.gs	Method	GENSCAN
Start	306	End	461
GI	none	Score	.56
Exons	306..461		
Seq. No.	48869	Seq. ID	OJ990312_15.0419.C34
Gene No.	104096	Strand	-
Start	226	End	658
Name	OJ990312_15.0419.C34.o1.gs	Method	GENSCAN
Start	226	End	658
GI	none	Score	.78
Exons	226..307, 421..544, 550..658		
Seq. No.	48870	Seq. ID	OJ990312_15.0419.C35
Gene No.	104097	Strand	+
Start	1	End	1135
Name	OJ990312_15.0419.C35.o1.np	Method	AAT/NAP
Start	1	End	1135
GI	3461821	Score	240
Exons	1..351, 873..986, 1075..1135		
GI Descrip.	(AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]		
Seq. No.	48870	Seq. ID	OJ990312_15.0419.C35
Gene No.	104097	Strand	+
Start	1	End	1135
Name	OJ990312_15.0419.C35.o1.tm	Method	TBLASTX:Maize
Start	25	End	203
GI	none	Score	91
Exons	25..111, 38..202, 45..203		
Seq. No.	48870	Seq. ID	OJ990312_15.0419.C35
Gene No.	104097	Strand	+
Start	1	End	1135
Name	OJ990312_15.0419.C35.o1.tc	Method	TBLASTX:Cress

Start	90	End	925
GI	none	Score	82
Exons	90..200, 116..199, 209..361, 216..356, 860..925, 871..921		

Seq. No.	48870	Seq. ID	OJ990312_15.0419.C35
Gene No.	104097	Strand	+
Start	1	End	1135
Name	OJ990312_15.0419.C35.o1.gp	Method	AAT/GAP
Start	173	End	986
GI	49573_1.R1084	Score	512
Exons	173..351, 873..986		
GI Descrip.	'3461821 2.0e-49 (AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]'		

Seq. No.	48870	Seq. ID	OJ990312_15.0419.C35
Gene No.	104097	Strand	+
Start	1	End	1135
Name	OJ990312_15.0419.C35.o2.tm	Method	TBLASTX:Maize
Start	209	End	979
GI	none	Score	135
Exons	209..361, 211..342, 213..356, 869..976, 872..979		

Seq. No.	48871	Seq. ID	OJ990312_15.0419.C36
Gene No.	104098	Strand	+
Start	256	End	1317
Name	OJ990312_15.0419.C36.o1.gs	Method	GENSCAN
Start	256	End	677
GI	none	Score	1
Exons	256..423, 573..677		

Seq. No.	48871	Seq. ID	OJ990312_15.0419.C36
Gene No.	104098	Strand	+
Start	256	End	1317
Name	OJ990312_15.0419.C36.o1.gp	Method	AAT/GAP
Start	349	End	1317
GI	3763712	Score	477
Exons	349..423, 1099..1317		

Seq. No.	48871	Seq. ID	OJ990312_15.0419.C36
Gene No.	104099	Strand	+
Start	3378	End	3468
Name	OJ990312_15.0419.C36.o1.ts	Method	TBLASTX:Soybean
Start	331	End	1259
GI	none	Score	75
Exons	331..414, 1113..1259, 1114..1257		

Seq. No.	48871	Seq. ID	OJ990312_15.0419.C36
Gene No.	104099	Strand	+
Start	3378	End	3468
Name	OJ990312_15.0419.C36.o2.gp	Method	AAT/GAP
Start	3378	End	3468
GI	none	Score	152
Exons	3378..3468		

Seq. No.	48872	Seq. ID	OJ990312_15.0419.C37
Gene No.	104100	Strand	+
Start	1	End	1364

Name	OJ990312_15.0419.C37.o1.gp	Method	AAT/GAP
Start	1	End	882
GI	none	Score	561
Exons	1..48, 169..248, 335..363, 469..592, 785..882		

Seq. No.	48872	Seq. ID	OJ990312_15.0419.C37
Gene No.	104100	Strand	+
Start	1	End	1364
Name	OJ990312_15.0419.C37.o1.gs	Method	GENSCAN
Start	162	End	1364
GI	none	Score	.84
Exons	162..248, 335..363, 469..592, 1126..1226, 1307..1364		

Seq. No.	48873	Seq. ID	OJ990312_15.0419.C39
Gene No.	104101	Strand	-
Start	310	End	773
Name	OJ990312_15.0419.C39.o2.tm	Method	TBLASTX:Maize
Start	208	End	427
GI	none	Score	185
Exons	208..237, 212..424, 218..247, 255..290, 256..294, 273..422, 275..427		

Seq. No.	48873	Seq. ID	OJ990312_15.0419.C39
Gene No.	104101	Strand	-
Start	310	End	773
Name	OJ990312_15.0419.C39.o1.np	Method	AAT/NAP
Start	310	End	773
GI	3461821	Score	215
Exons	310..562, 662..773		
GI Descrip.	(AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]		

Seq. No.	48873	Seq. ID	OJ990312_15.0419.C39
Gene No.	104101	Strand	-
Start	310	End	773
Name	OJ990312_15.0419.C39.o1.tm	Method	TBLASTX:Maize
Start	428	End	772
GI	none	Score	112
Exons	428..565, 431..565, 436..567, 502..582, 652..771, 653..772		

Seq. No.	48873	Seq. ID	OJ990312_15.0419.C39
Gene No.	104101	Strand	-
Start	310	End	773
Name	OJ990312_15.0419.C39.o1.tc	Method	TBLASTX:Cress
Start	460	End	762
GI	none	Score	90
Exons	460..564, 652..762, 653..751		

Seq. No.	48874	Seq. ID	OJ990312_15.0419.C40
Gene No.	104102	Strand	-
Start	466	End	652
Name	OJ990312_15.0419.C40.o1.gs	Method	GENSCAN
Start	466	End	652
GI	none	Score	.51
Exons	466..652		

Seq. No.	48875	Seq. ID	OJ990312_15.0419.C41

Gene No.	104103	Strand	+
Start	837	End	1464
Name	OJ990312_15.0419.C41.o1.np	Method	AAT/NAP
Start	837	End	1183
GI	7490717	Score	71
Exons	837..876, 1026..1183		
GI Descrip.	hypothetical integral membrane protein - fission yeast (Schizosaccharomyces pombe) gi|6138901|emb|CAB59690.1| (AL132675) hypothetical integral membrane protein [Schizosaccharomyces pombe]		

Seq. No.	48875	Seq. ID	OJ990312_15.0419.C41
Gene No.	104103	Strand	+
Start	837	End	1464
Name	OJ990312_15.0419.C41.o1.gp	Method	AAT/GAP
Start	1021	End	1464
GI	none	Score	827
Exons	1021..1464		

Seq. No.	48875	Seq. ID	OJ990312_15.0419.C41
Gene No.	104104	Strand	-
Start	2442	End	3005
Name	OJ990312_15.0419.C41.o1.tm	Method	TBLASTX:Maize
Start	161	End	1244
GI	none	Score	89
Exons	161..229, 175..222, 789..890, 790..915, 791..889, 808..894, 1031..1192, 1033..1200, 1036..1191, 1037..1192, 1107..1244		

Seq. No.	48875	Seq. ID	OJ990312_15.0419.C41
Gene No.	104104	Strand	-
Start	2442	End	3005
Name	OJ990312_15.0419.C41.o1.gs	Method	GENSCAN
Start	2442	End	3005
GI	none	Score	.75
Exons	2442..2881, 2904..3005		

Seq. No.	48876	Seq. ID	OJ990312_15.0419.C42
Gene No.	104105	Strand	+
Start	1	End	1075
Name	OJ990312_15.0419.C42.o1.np	Method	AAT/NAP
Start	1	End	1075
GI	7339707	Score	59
Exons	1..201, 1042..1075		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	48877	Seq. ID	OJ990312_15.0419.C43
Gene No.	104106	Strand	+
Start	145	End	271
Name	OJ990312_15.0419.C43.o1.gp	Method	AAT/GAP
Start	145	End	271
GI	44258_1.R1084	Score	223
Exons	145..271		
GI Descrip.	'5080792/gb|AAD39302.1|AC007576_25 5.0e-23 (AC007576) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	48878	Seq. ID	OJ990312_15.0419.C45
Gene No.	104107	Strand	+

Start	9065	End	12274
Name	OJ990312_15.0419.C45.o1.gp	Method	AAT/GAP
Start	9065	End	12207
GI	none	Score	1408
Exons	9065..9572, 11978..12207		

Seq. No.	48878	Seq. ID	OJ990312_15.0419.C45
Gene No.	104107	Strand	+
Start	9065	End	12274
Name	OJ990312_15.0419.C45.o4.gs	Method	GENSCAN
Start	11972	End	12274
GI	none	Score	.84
Exons	11972..12274		

Seq. No.	48878	Seq. ID	OJ990312_15.0419.C45
Gene No.	104108	Strand	+
Start	12774	End	13562
Name	OJ990312_15.0419.C45.o5.gs	Method	GENSCAN
Start	12774	End	13562
GI	none	Score	.85
Exons	12774..12867, 13366..13562		

Seq. No.	48878	Seq. ID	OJ990312_15.0419.C45
Gene No.	104109	Strand	+
Start	14046	End	16246
Name	OJ990312_15.0419.C45.o6.gs	Method	GENSCAN
Start	14046	End	16246
GI	none	Score	.49
Exons	14046..14131, 14212..14426, 14501..14959, 15311..15922, 16071..16246		

Seq. No.	48878	Seq. ID	OJ990312_15.0419.C45
Gene No.	104110	Strand	-
Start	1	End	4086
Name	OJ990312_15.0419.C45.o1.np	Method	AAT/NAP
Start	1	End	2403
GI	1091678	Score	1252
Exons	1..22, 523..2403		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	48878	Seq. ID	OJ990312_15.0419.C45
Gene No.	104110	Strand	-
Start	1	End	4086
Name	OJ990312_15.0419.C45.o1.gs	Method	GENSCAN
Start	360	End	4086
GI	none	Score	.58
Exons	360..434, 994..1223, 3942..4086		

Seq. No.	48878	Seq. ID	OJ990312_15.0419.C45
Gene No.	104111	Strand	-
Start	6681	End	7694
Name	OJ990312_15.0419.C45.o2.gs	Method	GENSCAN
Start	6681	End	7694
GI	none	Score	.85
Exons	6681..7058, 7335..7694		

Seq. No.	48878	Seq. ID	OJ990312_15.0419.C45

Gene No.	104112	Strand	-
Start	10468	End	11520
Name	OJ990312_15.0419.C45.o1.tm	Method	TBLASTX:Maize
Start	512	End	1960
GI	none	Score	154
Exons	512..589, 602..670, 683..745, 733..786, 1006..1227, 1007..1231, 1008..1232, 1242..1388, 1385..1519, 1393..1599, 1406..1600, 1604..1645, 1652..1795, 1698..1796, 1786..1899, 1789..1899, 1901..1960		

Seq. No.	48878	Seq. ID	OJ990312_15.0419.C45
Gene No.	104112	Strand	-
Start	10468	End	11520
Name	OJ990312_15.0419.C45.o2.tm	Method	TBLASTX:Maize
Start	1961	End	2166
GI	none	Score	141
Exons	1961..2137, 1966..2166, 1969..2148		

Seq. No.	48878	Seq. ID	OJ990312_15.0419.C45
Gene No.	104112	Strand	-
Start	10468	End	11520
Name	OJ990312_15.0419.C45.o3.gs	Method	GENSCAN
Start	10468	End	11520
GI	none	Score	.75
Exons	10468..10997, 11229..11520		

Seq. No.	48879	Seq. ID	OJ990312_15.0419.C46
Gene No.	104113	Strand	+
Start	174	End	819
Name	OJ990312_15.0419.C46.o1.gs	Method	GENSCAN
Start	174	End	819
GI	none	Score	.5
Exons	174..357, 367..509, 549..819		

Seq. No.	48880	Seq. ID	OJ990312_15.0419.C47
Gene No.	104114	Strand	+
Start	1	End	4791
Name	OJ990312_15.0419.C47.o1.np	Method	AAT/NAP
Start	1	End	796
GI	6907087	Score	292
Exons	1..154, 695..796		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48880	Seq. ID	OJ990312_15.0419.C47
Gene No.	104114	Strand	+
Start	1	End	4791
Name	OJ990312_15.0419.C47.o3.np	Method	AAT/NAP
Start	1	End	4791
GI	7248394	Score	251
Exons	1..45, 3444..3816, 4190..4461, 4708..4791		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	48880	Seq. ID	OJ990312_15.0419.C47
Gene No.	104114	Strand	+
Start	1	End	4791
Name	OJ990312_15.0419.C47.o1.gp	Method	AAT/GAP
Start	1256	End	1635
GI	uC-osflcyp033a04b1	Score	629
Exons	1256..1635		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48880	Seq. ID	OJ990312_15.0419.C47
Gene No.	104115	Strand	+
Start	5225	End	5503
Name	OJ990312_15.0419.C47.o2.gp	Method	AAT/GAP
Start	5225	End	5503
GI	31877_1.R1084	Score	215
Exons	5225..5300, 5435..5503		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	48880	Seq. ID	OJ990312_15.0419.C47
Gene No.	104116	Strand	+
Start	6766	End	7843
Name	OJ990312_15.0419.C47.o3.gs	Method	GENSCAN
Start	6766	End	7843
GI	none	Score	.51
Exons	6766..6905, 6957..7278, 7679..7843		

Seq. No.	48880	Seq. ID	OJ990312_15.0419.C47
Gene No.	104117	Strand	-
Start	38	End	465
Name	OJ990312_15.0419.C47.o1.gs	Method	GENSCAN
Start	38	End	465
GI	none	Score	.91
Exons	38..414, 423..465		

Seq. No.	48880	Seq. ID	OJ990312_15.0419.C47
Gene No.	104118	Strand	-
Start	1189	End	3133
Name	OJ990312_15.0419.C47.o2.np	Method	AAT/NAP
Start	1189	End	3133
GI	4680186	Score	309
Exons	1189..1389, 3087..3133		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48880	Seq. ID	OJ990312_15.0419.C47
Gene No.	104119	Strand	-
Start	4523	End	6512
Name	OJ990312_15.0419.C47.o5.np	Method	AAT/NAP
Start	4523	End	6512
GI	6539570	Score	181
Exons	4523..4548, 6043..6106, 6309..6512		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	48880	Seq. ID	OJ990312_15.0419.C47
Gene No.	104120	Strand	-

Start	6641	End	6719
Name	OJ990312_15.0419.C47.o6.np	Method	AAT/NAP
Start	6641	End	6719
GI	6630699	Score	75
Exons	6641..6719		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	48881	Seq. ID	OJ990312_15.0419.C48
Gene No.	104121	Strand	+
Start	450	End	1381
Name	OJ990312_15.0419.C48.o1.gs	Method	GENSCAN
Start	450	End	1381
GI	none	Score	.53
Exons	450..580, 634..652, 1038..1246, 1267..1381		

Seq. No.	48881	Seq. ID	OJ990312_15.0419.C48
Gene No.	104122	Strand	+
Start	3847	End	4114
Name	OJ990312_15.0419.C48.o2.np	Method	AAT/NAP
Start	3847	End	4114
GI	7488228	Score	119
Exons	3847..4114		
GI Descrip.	proline-rich protein APG homolog F16A16.110 - Arabidopsis thaliana gi|4218120|emb|CAA22974.1| (AL035353) Proline-rich APG-like protein [Arabidopsis thaliana] gi|7269733|emb|CAB81466.1| (AL161573) Proline-rich APG-like protein [Arabidopsis thaliana]		

Seq. No.	48881	Seq. ID	OJ990312_15.0419.C48
Gene No.	104123	Strand	+
Start	6124	End	8246
Name	OJ990312_15.0419.C48.o3.gs	Method	GENSCAN
Start	6124	End	6432
GI	none	Score	.82
Exons	6124..6432		

Seq. No.	48881	Seq. ID	OJ990312_15.0419.C48
Gene No.	104123	Strand	+
Start	6124	End	8246
Name	OJ990312_15.0419.C48.o3.np	Method	AAT/NAP
Start	6133	End	8246
GI	7488228	Score	119
Exons	6133..6386, 8220..8246		
GI Descrip.	proline-rich protein APG homolog F16A16.110 - Arabidopsis thaliana gi|4218120|emb|CAA22974.1| (AL035353) Proline-rich APG-like protein [Arabidopsis thaliana] gi|7269733|emb|CAB81466.1| (AL161573) Proline-rich APG-like protein [Arabidopsis thaliana]		

Seq. No.	48881	Seq. ID	OJ990312_15.0419.C48
Gene No.	104124	Strand	-
Start	918	End	1390
Name	OJ990312_15.0419.C48.o1.np	Method	AAT/NAP
Start	918	End	1390
GI	6539570	Score	175

Exons	918..972, 1175..1390		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	48881	Seq. ID	OJ990312_15.0419.C48
Gene No.	104125	Strand	
Start	3928	End	6393
Name	OJ990312_15.0419.C48.o1.tc	Method	TBLASTX:Cress
Start	3928	End	6389
GI	none	Score	191
Exons	3928..4101, 6214..6387, 6231..6389		
Seq. No.	48881	Seq. ID	OJ990312_15.0419.C48
Gene No.	104125	Strand	
Start	3928	End	6393
Name	OJ990312_15.0419.C48.o1.ts	Method	TBLASTX:Soybean
Start	3937	End	6393
GI	none	Score	189
Exons	3937..4107, 6219..6383, 6220..6393		
Seq. No.	48882	Seq. ID	OJ990312_15.0419.C49
Gene No.	104126	Strand	+
Start	470	End	2542
Name	OJ990312_15.0419.C49.o1.gs	Method	GENSCAN
Start	470	End	2542
GI	none	Score	.53
Exons	470..559, 2484..2542		
Seq. No.	48882	Seq. ID	OJ990312_15.0419.C49
Gene No.	104127	Strand	-
Start	1068	End	6237
Name	OJ990312_15.0419.C49.o1.np	Method	AAT/NAP
Start	1068	End	6237
GI	7340881	Score	582
Exons	1068..1109, 3681..3712, 3818..3938, 5325..5610, 5686..5786, 5879..6002, 6149..6237		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		
Seq. No.	48882	Seq. ID	OJ990312_15.0419.C49
Gene No.	104127	Strand	-
Start	1068	End	6237
Name	OJ990312_15.0419.C49.o2.gs	Method	GENSCAN
Start	5367	End	6069
GI	none	Score	.72
Exons	5367..5650, 5695..5786, 5879..6069		
Seq. No.	48883	Seq. ID	OJ990312_15.0419.C50
Gene No.	104128	Strand	+
Start	1365	End	1770
Name	OJ990312_15.0419.C50.o1.gs	Method	GENSCAN
Start	1365	End	1770
GI	none	Score	.85
Exons	1365..1436, 1756..1770		
Seq. No.	48883	Seq. ID	OJ990312_15.0419.C50
Gene No.	104129	Strand	+
Start	3802	End	11309
Name	OJ990312_15.0419.C50.o2.gs	Method	GENSCAN

Start	3802	End	7042
GI	none	Score	.76
Exons	3802..3949, 6455..6568, 6661..6752, 6794..7042		

Seq. No.	48883	Seq. ID	OJ990312_15.0419.C50
Gene No.	104129	Strand	+
Start	3802	End	11309
Name	OJ990312_15.0419.C50.o1.np	Method	AAT/NAP
Start	6213	End	11309
GI	7340881	Score	656
Exons	6213..6298, 6445..6568, 6661..6759, 6814..7098, 8484..8611, 8717..8782, 11198..11309		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48883	Seq. ID	OJ990312_15.0419.C50
Gene No.	104130	Strand	-
Start	9234	End	13374
Name	OJ990312_15.0419.C50.o3.gs	Method	GENSCAN
Start	9234	End	13374
GI	none	Score	.61
Exons	9234..9691, 9794..10536, 11092..11372, 12327..12545, 12607..13374		

Seq. No.	48883	Seq. ID	OJ990312_15.0419.C50
Gene No.	104130	Strand	-
Start	9234	End	13374
Name	OJ990312_15.0419.C50.o2.np	Method	AAT/NAP
Start	9243	End	12933
GI	6979320	Score	1541
Exons	9243..9691, 9794..10208, 10341..10652, 10769..11372, 12234..12545, 12607..12933		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	48883	Seq. ID	OJ990312_15.0419.C50
Gene No.	104130	Strand	-
Start	9234	End	13374
Name	OJ990312_15.0419.C50.o1.ts	Method	TBLASTX:Soybean
Start	9618	End	10031
GI	none	Score	150
Exons	9618..9692, 9783..10031		

Seq. No.	48884	Seq. ID	OJ990312_15.0419.C51
Gene No.	104131	Strand	-
Start	1	End	6033
Name	OJ990312_15.0419.C51.o1.np	Method	AAT/NAP
Start	1	End	6024
GI	7488228	Score	171
Exons	1..48, 263..437, 1982..2170, 2724..2880, 5762..6024		
GI Descrip.	proline-rich protein APG homolog F16A16.110 - Arabidopsis thaliana gi|4218120|emb|CAA22974.1| (AL035353) Proline-rich APG-like protein [Arabidopsis thaliana] gi|7269733|emb|CAB81466.1| (AL161573) Proline-rich APG-like protein [Arabidopsis thaliana]		

Seq. No.	48884	Seq. ID	OJ990312_15.0419.C51
Gene No.	104131	Strand	-
Start	1	End	6033

Name	OJ990312_15.0419.C51.o1.gs	Method	GENSCAN
Start	188	End	6033
GI	none	Score	.64
Exons	188..437, 1978..2231, 5733..6033		

Seq. No.	48884	Seq. ID	OJ990312_15.0419.C51
Gene No.	104131	Strand	-
Start	1	End	6033
Name	OJ990312_15.0419.C51.o1.ts	Method	TBLASTX:Soybean
Start	5764	End	5938
GI	none	Score	148
Exons	5764..5937, 5774..5938		

Seq. No.	48885	Seq. ID	OJ990312_15.0419.C52
Gene No.	104132	Strand	-
Start	1	End	499
Name	OJ990312_15.0419.C52.o1.np	Method	AAT/NAP
Start	1	End	499
GI	5922620	Score	187
Exons	1..175, 289..499		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48885	Seq. ID	OJ990312_15.0419.C52
Gene No.	104132	Strand	-
Start	1	End	499
Name	OJ990312_15.0419.C52.o1.gs	Method	GENSCAN
Start	68	End	175
GI	none	Score	.89
Exons	68..175		

Seq. No.	48886	Seq. ID	OJ990312_15.0419.C53
Gene No.	104133	Strand	+
Start	2978	End	4788
Name	OJ990312_15.0419.C53.o2.gs	Method	GENSCAN
Start	2978	End	4788
GI	none	Score	.7
Exons	2978..3084, 3149..3276, 4586..4788		

Seq. No.	48886	Seq. ID	OJ990312_15.0419.C53
Gene No.	104134	Strand	-
Start	1	End	728
Name	OJ990312_15.0419.C53.o1.np	Method	AAT/NAP
Start	1	End	698
GI	7485206	Score	134
Exons	1..166, 442..698		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244981|emb|CAB10402.1| (Z97340) proline-rich, APG like protein [Arabidopsis thaliana] gi|7268372|emb|CAB78665.1| (AL161543) proline-rich, APG like protein [Arabidopsis thaliana]		

Seq. No.	48886	Seq. ID	OJ990312_15.0419.C53
Gene No.	104134	Strand	-
Start	1	End	728

Name	OJ990312_15.0419.C53.o1.gs	Method	GENSCAN
Start	324	End	728
GI	none	Score	.87
Exons	324..728		

Seq. No.	48886	Seq. ID	OJ990312_15.0419.C53
Gene No.	104135	Strand	-
Start	5868	End	6002
Name	OJ990312_15.0419.C53.o3.gs	Method	GENSCAN
Start	5868	End	6002
GI	none	Score	.78
Exons	5868..6002		

Seq. No.	48887	Seq. ID	OJ990312_15.0419.C54
Gene No.	104136	Strand	-
Start	109	End	607
Name	OJ990312_15.0419.C54.o1.gs	Method	GENSCAN
Start	109	End	607
GI	none	Score	.94
Exons	109..381, 473..607		

Seq. No.	48888	Seq. ID	OJ990312_15.0419.C55
Gene No.	104137	Strand	+
Start	1029	End	2220
Name	OJ990312_15.0419.C55.o1.np	Method	AAT/NAP
Start	1029	End	2220
GI	4914384	Score	147
Exons	1029..1104, 1714..1917, 2180..2220		
GI Descrip.	(AC007167) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	48888	Seq. ID	OJ990312_15.0419.C55
Gene No.	104137	Strand	+
Start	1029	End	2220
Name	OJ990312_15.0419.C55.o1.gp	Method	AAT/GAP
Start	1527	End	1953
GI	13677_1.R1084	Score	718
Exons	1527..1953		
GI Descrip.	'4914384/gb|AAD32919.1|AC007167_1 5.0e-15 (AC007167) putative APG protein [Arabidopsis thaliana]'		

Seq. No.	48888	Seq. ID	OJ990312_15.0419.C55
Gene No.	104137	Strand	+
Start	1029	End	2220
Name	OJ990312_15.0419.C55.o1.gs	Method	GENSCAN
Start	1531	End	1917
GI	none	Score	.81
Exons	1531..1643, 1660..1917		

Seq. No.	48889	Seq. ID	OJ990312_15.0419.C57
Gene No.	104138	Strand	+
Start	20	End	1711
Name	OJ990312_15.0419.C57.o1.gs	Method	GENSCAN
Start	20	End	1711
GI	none	Score	.86
Exons	20..59, 425..549, 796..1032, 1133..1573, 1604..1711		

Seq. No.	48889	Seq. ID	OJ990312_15.0419.C57
Gene No.	104138	Strand	+
Start	20	End	1711
Name	OJ990312_15.0419.C57.o1.np	Method	AAT/NAP
Start	417	End	1632
GI	6539248	Score	272
Exons	417..569, 810..1034, 1135..1632		
GI Descrip.	(AC011765) putative lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	48889	Seq. ID	OJ990312_15.0419.C57
Gene No.	104138	Strand	+
Start	20	End	1711
Name	OJ990312_15.0419.C57.o1.gp	Method	AAT/GAP
Start	425	End	477
GI	13677_1.R1084	Score	89
Exons	425..477		
GI Descrip.	'4914384/gb|AAD32919.1|AC007167_1 5.0e-15 (AC007167) putative APG protein [Arabidopsis thaliana]'		

Seq. No.	48889	Seq. ID	OJ990312_15.0419.C57
Gene No.	104138	Strand	+
Start	20	End	1711
Name	OJ990312_15.0419.C57.o2.gp	Method	AAT/GAP
Start	914	End	1236
GI	LIB3434-045-P1-K1-H11	Score	319
Exons	914..1032, 1133..1236		
GI Descrip.	'2062705/gb|U90552|HSU90552 3.0e-10 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	48889	Seq. ID	OJ990312_15.0419.C57
Gene No.	104138	Strand	+
Start	20	End	1711
Name	OJ990312_15.0419.C57.o2.np	Method	AAT/NAP
Start	1125	End	1573
GI	728867	Score	181
Exons	1125..1573		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR gi|99694|pir||S21961 proline-rich protein APG - Arabidopsis thaliana gi|22599|emb|CAA42925| (X60377) APG [Arabidopsis thaliana]		

Seq. No.	48889	Seq. ID	OJ990312_15.0419.C57
Gene No.	104139	Strand	-
Start	4288	End	6442
Name	OJ990312_15.0419.C57.o1.tm	Method	TBLASTX:Maize
Start	1127	End	1596
GI	none	Score	76
Exons	1127..1231, 1313..1594, 1327..1596		

Seq. No.	48889	Seq. ID	OJ990312_15.0419.C57
Gene No.	104139	Strand	-
Start	4288	End	6442
Name	OJ990312_15.0419.C57.o1.ts	Method	TBLASTX:Soybean
Start	1127	End	1531
GI	none	Score	92
Exons	1127..1216, 1135..1200, 1223..1531		

Seq. No.	48889	Seq. ID	OJ990312_15.0419.C57
Gene No.	104139	Strand	-
Start	4288	End	6442
Name	OJ990312_15.0419.C57.o3.np	Method	AAT/NAP
Start	4288	End	6442
GI	6721518	Score	187
Exons	4288..4357, 5892..6137, 6168..6442		
GI Descrip.	(AP001072) Similar to NBS-LRR-like protein cD7. (AF098970) [Oryza sativa]		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104140	Strand	+
Start	383	End	1154
Name	OJ990602_14.0421.C5.o1.gs	Method	GENSCAN
Start	383	End	1154
GI	none	Score	.4
Exons	383..922, 1026..1154		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104140	Strand	+
Start	383	End	1154
Name	OJ990602_14.0421.C5.o1.gp	Method	AAT/GAP
Start	583	End	1092
GI	80079_1.R1084	Score	762
Exons	583..922, 1026..1092		
GI Descrip.	'4734007/gb|AAD28684.1|AC007178_4 2.0e-18 (AC007178) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104141	Strand	+
Start	8924	End	15123
Name	OJ990602_14.0421.C5.o2.np	Method	AAT/NAP
Start	8924	End	15123
GI	7228457	Score	9185
Exons	8924..9290, 9352..11286, 11350..12184, 12307..12645, 12694..13506, 13573..15123		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o4.tm	Method	TBLASTX:Maize
Start	658	End	1154
GI	none	Score	226
Exons	658..921, 695..922, 1026..1154		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o1.tc	Method	TBLASTX:Cress
Start	664	End	1132
GI	none	Score	214
Exons	664..912, 695..922, 1025..1132, 1026..1112		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5

Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o3.ts	Method	TBLASTX:Soybean
Start	769	End	1103
GI	none	Score	140
Exons	769..900, 776..907, 1026..1103		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o7.tw	Method	TBLASTX:Wheat
Start	9581	End	9970
GI	none	Score	54
Exons	9581..9625, 9632..9730, 9649..9729, 9697..9936, 9713..9970		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o5.tm	Method	TBLASTX:Maize
Start	9584	End	9868
GI	none	Score	196
Exons	9584..9856, 9620..9868, 9622..9867		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o3.tw	Method	TBLASTX:Wheat
Start	10707	End	11193
GI	none	Score	407
Exons	10707..10880, 10708..11193, 10902..11162		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	11357	End	11820
GI	none	Score	211
Exons	11357..11800, 11358..11813, 11359..11820, 11359..11820		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o4.ts	Method	TBLASTX:Soybean
Start	11398	End	11763
GI	none	Score	117
Exons	11398..11622, 11629..11763		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	11488	End	11844
GI	none	Score	385
Exons	11488..11844, 11523..11834, 11728..11844		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-

Start	15751	End	20279
Name	OJ990602_14.0421.C5.o3.tm	Method	TBLASTX:Maize
Start	11871	End	12255
GI	none	Score	361
Exons	11871..12236, 11872..12255		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o2.tw	Method	TBLASTX:Wheat
Start	11928	End	12348
GI	none	Score	474
Exons	11928..12323, 11929..12348		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	12007	End	12378
GI	none	Score	264
Exons	12007..12378, 12024..12167		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o5.tw	Method	TBLASTX:Wheat
Start	13027	End	13485
GI	none	Score	236
Exons	13027..13275, 13051..13302, 13347..13484	13116..13292, 13336..13485,	

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o2.ts	Method	TBLASTX:Soybean
Start	13174	End	13740
GI	5666795	Score	68
Exons	13174..13272, 13348..13485, 13540..13740		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o8.tw	Method	TBLASTX:Wheat
Start	13488	End	13800
GI	none	Score	194
Exons	13488..13664, 13540..13800		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o2.tm	Method	TBLASTX:Maize
Start	13993	End	14336
GI	none	Score	362
Exons	13993..14316, 14022..14303, 14187..14336		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5

Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o4.tw	Method	TBLASTX:Wheat
Start	14130	End	14511
GI	none	Score	375
Exons	14130..14480, 14131..14511		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o6.tw	Method	TBLASTX:Wheat
Start	14512	End	15111
GI	none	Score	265
Exons	14512..14796, 14517..14795, 14884..14958, 14988..15110, 14989..15111		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o4.gs	Method	GENSCAN
Start	15751	End	20237
GI	none	Score	.56
Exons	15751..15944, 15994..17612, 17710..18990, 19291..19449, 19939..20237		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o3.np	Method	AAT/NAP
Start	15754	End	18971
GI	6907089	Score	4378
Exons	15754..17612, 17710..18971		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o5.np	Method	AAT/NAP
Start	18373	End	20279
GI	5922623	Score	70
Exons	18373..18396, 19789..19861, 20045..20279		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48890	Seq. ID	OJ990602_14.0421.C5
Gene No.	104142	Strand	-
Start	15751	End	20279
Name	OJ990602_14.0421.C5.o4.np	Method	AAT/NAP
Start	19613	End	20279
GI	7523512	Score	186
Exons	19613..19739, 20259..20279		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104143	Strand	+
Start	1657	End	15566

Name	OJ990602_14.0421.C6.o1.gs	Method	GENSCAN
Start	1657	End	15566
GI	none	Score	.53
Exons	1657..1705, 1956..2093, 2806..2957, 3324..3394, 3426..3498, 5321..5776, 6012..6137, 6396..6465, 7392..7519, 7929..8044, 8486..8546, 8719..8827, 8905..8982, 9150..9298, 9482..9656, 10377..10544, 11128..11456, 11688..11804, 12338..12456, 15383..15566		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104143	Strand	+
Start	1657	End	15566
Name	OJ990602_14.0421.C6.o1.np	Method	AAT/NAP
Start	2915	End	3377
GI	5042454	Score	75
Exons	2915..2951, 3317..3377		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104143	Strand	+
Start	1657	End	15566
Name	OJ990602_14.0421.C6.o1.gp	Method	AAT/GAP
Start	5718	End	9618
GI	17521_1.R1084	Score	1480
Exons	5718..5776, 6396..6465, 7392..7519, 7929..8044, 8486..8546, 8764..8827, 8905..8982, 9150..9307, 9398..9457, 9563..9618		
GI Descrip.	'4454482/gb|AAD20929| 2.0e-71 (AC006234) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104143	Strand	+
Start	1657	End	15566
Name	OJ990602_14.0421.C6.o2.np	Method	AAT/NAP
Start	6384	End	12048
GI	5701786	Score	1060
Exons	6384..6465, 6635..6713, 7356..7519, 8764..8839, 8914..8982, 9150..9298, 9413..9457, 10358..10544, 11128..11360, 11421..11456, 11688..11875, 11918..12048		
GI Descrip.	(AL021749) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104143	Strand	+
Start	1657	End	15566
Name	OJ990602_14.0421.C6.o3.np	Method	AAT/NAP
Start	11892	End	13384
GI	6523065	Score	33
Exons	11892..11983, 13354..13384		
GI Descrip.	(AL133314) putative protein [Arabidopsis thaliana]		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104143	Strand	+
Start	1657	End	15566
Name	OJ990602_14.0421.C6.o2.gp	Method	AAT/GAP
Start	11943	End	12296
GI	none	Score	447
Exons	11943..12043, 12137..12296		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104144	Strand	+
Start	16486	End	21461
Name	OJ990602_14.0421.C6.o3.gp	Method	AAT/GAP
Start	16421	End	17532
GI	700584	Score	685
Exons	16421..16585, 17326..17532		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104144	Strand	+
Start	16486	End	21461
Name	OJ990602_14.0421.C6.o2.gs	Method	GENSCAN
Start	16486	End	21461
GI	none	Score	.97
Exons	16486..16585, 17326..18384, 18730..18877, 20014..20085, 20635..20706, 21047..21231, 21331..21461		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104144	Strand	+
Start	16486	End	21461
Name	OJ990602_14.0421.C6.o5.np	Method	AAT/NAP
Start	16559	End	21424
GI	6560758	Score	1812
Exons	16559..16610, 17305..18384, 18730..18877, 19581..19652, 20014..20085, 20635..20706, 20793..20870, 21047..21228, 21331..21424		
GI Descrip.	(AC010155) F3M18.23 [Arabidopsis thaliana]		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104145	Strand	-
Start	12768	End	14260
Name	OJ990602_14.0421.C6.o4.np	Method	AAT/NAP
Start	12768	End	14260
GI	5852093	Score	48
Exons	12768..12901, 14231..14260		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104146	Strand	-
Start	21372	End	21794
Name	OJ990602_14.0421.C6.o4.gp	Method	AAT/GAP
Start	21372	End	21794
GI	3760400	Score	807
Exons	21372..21794		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o3.tm	Method	TBLASTX:Maize
Start	7979	End	9586
GI	none	Score	110
Exons	7979..8044, 7980..8042, 7981..8058, 8475..8552, 8475..8543, 8759..8806, 8764..8826, 8764..8826, 8901..8981, 8906..8980, 8913..8990, 8917..8991, 9148..9315, 9149..9331, 9388..9456, 9398..9457, 9399..9461, 9562..9585, 9563..9586		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6

Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o5.ts	Method	TBLASTX:Soybean
Start	8496	End	9331
GI	none	Score	66
Exons	8496..8549, 8764..8838, 8904..8981, 9148..9315, 9149..9331, 9186..9320		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o2.tc	Method	TBLASTX:Cress
Start	9238	End	11988
GI	none	Score	131
Exons	9238..9315, 9239..9331, 9243..9341, 9398..9457, 9400..9456, 9562..9654, 9563..9673, 10376..10471, 10379..10468, 11886..11984, 11887..11988, 11896..11988		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	9395	End	11438
GI	none	Score	86
Exons	9395..9457, 9397..9456, 9541..9642, 9562..9654, 9563..9673, 10375..10542, 10376..10543, 10395..10550, 10399..10545, 10446..10553, 11123..11437, 11129..11437, 11130..11438		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	9586	End	12047
GI	none	Score	118
Exons	9586..9666, 9587..9673, 10376..10543, 10378..10545, 10382..10543, 10458..10571, 11128..11457, 11128..11454, 11129..11455, 11130..11462, 11685..11807, 11685..11807, 11885..11992, 11886..11993, 11887..11991, 12018..12047		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	10472	End	11780
GI	none	Score	69
Exons	10472..10525, 10496..10543, 11108..11449, 11110..11448, 11119..11457, 11129..11449, 11130..11462, 11554..11592, 11681..11779, 11685..11780		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o3.ts	Method	TBLASTX:Soybean
Start	11683	End	11988
GI	none	Score	138
Exons	11683..11766, 11685..11807, 11690..11809, 11885..11962, 11886..11963, 11886..11984, 11887..11988		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	17316	End	18313
GI	none	Score	1354
Exons	17316..18158, 17323..18159, 17323..18153, 17324..18154, 17328..18158, 18156..18311, 18157..18258, 18158..18313, 18162..18311		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o2.ts	Method	TBLASTX:Soybean
Start	17582	End	18026
GI	none	Score	379
Exons	17582..17953, 17604..17954, 17604..17957, 17955..18026, 17960..18016		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o6.tm	Method	TBLASTX:Maize
Start	18810	End	21149
GI	none	Score	113
Exons	18810..18872, 18813..18878, 18815..18877, 19580..19651, 19581..19652, 19581..19655, 19582..19653, 20003..20101, 20010..20063, 20047..20085, 20635..20706, 20636..20707, 20636..20707, 20782..20868, 20792..20872, 20793..20873, 20793..20879, 20798..20884, 21044..21145, 21045..21149		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o4.ts	Method	TBLASTX:Soybean
Start	19524	End	21398
GI	none	Score	88
Exons	19524..19655, 19582..19647, 20015..20101, 20635..20706, 20636..20707, 20636..20707, 20793..20867, 20793..20879, 20794..20868, 21044..21214, 21045..21230, 21323..21397, 21327..21398		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o1.tw	Method	TBLASTX:Wheat
Start	20811	End	21449
GI	none	Score	62
Exons	20811..20867, 20812..20868, 20813..20872, 20814..20879, 21044..21247, 21045..21239, 21321..21440, 21324..21407, 21326..21412, 21411..21449		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o5.tm	Method	TBLASTX:Maize

Start	21149	End	21576
GI	none	Score	84
Exons	21149..21235, 21152..21229, 21180..21239, 21321..21452, 21324..21452, 21325..21453, 21379..21456, 21534..21560, 21535..21576		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o6.np	Method	AAT/NAP
Start	22204	End	24860
GI	1808694	Score	414
Exons	22204..22491, 23296..23391, 24729..24860		
GI Descrip.	(Y10787) hypothetical protein [Sporobolus stapfianus]		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o4.tm	Method	TBLASTX:Maize
Start	22250	End	24846
GI	none	Score	132
Exons	22250..22339, 22250..22339, 22252..22341, 22348..22488, 22352..22489, 23296..23394, 23296..23394, 23297..23395, 23312..23401, 24729..24845, 24736..24846		

Seq. No.	48891	Seq. ID	OJ990602_14.0421.C6
Gene No.	104147	Strand	-
Start	22204	End	24883
Name	OJ990602_14.0421.C6.o5.gp	Method	AAT/GAP
Start	22343	End	24883
GI	uC-osf1cyp169g02b1	Score	744
Exons	22343..22491, 23296..23391, 24729..24883		
GI Descrip.	'3879119/emb|CAA94368.1| 2.0e-17 (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]'		

Seq. No.	48892	Seq. ID	OJ990602_14.0421.C7
Gene No.	104148	Strand	+
Start	934	End	2637
Name	OJ990602_14.0421.C7.o1.gs	Method	GENSCAN
Start	934	End	2637
GI	none	Score	.82
Exons	934..990, 1714..1889, 2521..2637		

Seq. No.	48892	Seq. ID	OJ990602_14.0421.C7
Gene No.	104149	Strand	+
Start	3321	End	6894
Name	OJ990602_14.0421.C7.o1.np	Method	AAT/NAP
Start	3321	End	6894
GI	5734781	Score	105
Exons	3321..3610, 6873..6894		
GI Descrip.	(AC007980) 89719 [Arabidopsis thaliana]		

Seq. No.	48892	Seq. ID	OJ990602_14.0421.C7
Gene No.	104149	Strand	+
Start	3321	End	6894
Name	OJ990602_14.0421.C7.o2.gs	Method	GENSCAN

Start	3321	End	4699
GI	none	Score	.68
Exons	3321..3586, 3774..3783, 4562..4699		

Seq. No.	48892	Seq. ID	OJ990602_14.0421.C7
Gene No.	104150	Strand	-
Start	3296	End	9730
Name	OJ990602_14.0421.C7.o2.np	Method	AAT/NAP
Start	3296	End	8246
GI	3980411	Score	82
Exons	3296..3611, 5907..6235, 8199..8246		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	48892	Seq. ID	OJ990602_14.0421.C7
Gene No.	104150	Strand	-
Start	3296	End	9730
Name	OJ990602_14.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	4350	End	5055
GI	none	Score	97
Exons	4350..4499, 4364..4558, 4382..4549, 4385..4546, 4490..4543, 4553..4639, 4568..4729, 4574..4726, 4577..4726, 4586..4741, 4601..4759, 4613..4741, 4620..4742, 4657..4731, 4762..4896, 4767..4895, 4773..4874, 4775..4873, 4776..4874, 4781..4861, 4782..4859, 4782..4877, 4784..4909, 4785..4877, 4881..5003, 4899..4997, 4928..5044, 4930..5055		

Seq. No.	48892	Seq. ID	OJ990602_14.0421.C7
Gene No.	104150	Strand	-
Start	3296	End	9730
Name	OJ990602_14.0421.C7.o3.gs	Method	GENSCAN
Start	5451	End	9730
GI	none	Score	.8
Exons	5451..5879, 5903..6187, 7202..7234, 7617..7778, 8672..8724, 9379..9449, 9705..9730		

Seq. No.	48892	Seq. ID	OJ990602_14.0421.C7
Gene No.	104150	Strand	-
Start	3296	End	9730
Name	OJ990602_14.0421.C7.o3.np	Method	AAT/NAP
Start	7558	End	7663
GI	7523502	Score	70
Exons	7558..7663		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104151	Strand	+
Start	684	End	3670
Name	OJ990602_14.0421.C8.o1.gs	Method	GENSCAN
Start	684	End	3670
GI	none	Score	.68
Exons	684..694, 1444..2488, 2546..2795, 2889..3206, 3426..3670		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104151	Strand	+
Start	684	End	3670
Name	OJ990602_14.0421.C8.o2.np	Method	AAT/NAP
Start	1577	End	2071

GI	7489506	Score	768
Exons	1577..2071		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792232|gb|AAB96991.1| (AF032694) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104152	Strand	-
Start	1049	End	2231
Name	OJ990602_14.0421.C8.o1.np	Method	AAT/NAP
Start	1049	End	2231
GI	6815099	Score	78
Exons	1049..1265, 2143..2231		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104153	Strand	-
Start	4903	End	6249
Name	OJ990602_14.0421.C8.o2.gs	Method	GENSCAN
Start	4903	End	6249
GI	none	Score	1
Exons	4903..6249		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104153	Strand	-
Start	4903	End	6249
Name	OJ990602_14.0421.C8.o4.np	Method	AAT/NAP
Start	5227	End	6213
GI	6523100	Score	435
Exons	5227..6064, 6104..6213		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana]		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104154	Strand	-
Start	7136	End	7397
Name	OJ990602_14.0421.C8.o4.tm	Method	TBLASTX:Maize
Start	2114	End	2563
GI	none	Score	214
Exons	2114..2149, 2150..2425, 2185..2397, 2399..2563, 2413..2487, 2527..2562		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104154	Strand	-
Start	7136	End	7397
Name	OJ990602_14.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	2711	End	3127
GI	none	Score	376
Exons	2711..3127, 2719..3030, 2831..3127		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104154	Strand	-
Start	7136	End	7397
Name	OJ990602_14.0421.C8.o2.tc	Method	TBLASTX:Cress
Start	5239	End	6237
GI	none	Score	59
Exons	5239..5343, 5347..5451, 5668..5799, 5690..5746, 5782..5811, 5821..5955, 5825..5953, 6046..6237		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104154	Strand	-
Start	7136	End	7397
Name	OJ990602_14.0421.C8.o1.ts	Method	TBLASTX:Soybean
Start	5296	End	6201
GI	none	Score	72
Exons	5296..5334, 5347..5448, 5461..5529, 5605..5799, 5606..5731, 5773..5955, 5819..5950, 5979..5999, 6046..6201		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104154	Strand	-
Start	7136	End	7397
Name	OJ990602_14.0421.C8.o3.tm	Method	TBLASTX:Maize
Start	5689	End	5955
GI	none	Score	55
Exons	5689..5775, 5690..5764, 5773..5955, 5819..5950		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104154	Strand	-
Start	7136	End	7397
Name	OJ990602_14.0421.C8.o1.tc	Method	TBLASTX:Cress
Start	7107	End	7383
GI	none	Score	49
Exons	7107..7136, 7110..7169, 7164..7226, 7165..7227, 7227..7376, 7227..7364, 7228..7383, 7228..7365		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104154	Strand	-
Start	7136	End	7397
Name	OJ990602_14.0421.C8.o1.tw	Method	TBLASTX:Wheat
Start	7107	End	7376
GI	none	Score	49
Exons	7107..7136, 7110..7169, 7164..7226, 7165..7227, 7226..7285, 7227..7376, 7227..7364, 7228..7368		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104154	Strand	-
Start	7136	End	7397
Name	OJ990602_14.0421.C8.o2.tm	Method	TBLASTX:Maize
Start	7107	End	7376
GI	none	Score	49
Exons	7107..7136, 7110..7169, 7164..7226, 7165..7227, 7226..7285, 7227..7376, 7227..7364		

Seq. No.	48893	Seq. ID	OJ990602_14.0421.C8
Gene No.	104154	Strand	-
Start	7136	End	7397
Name	OJ990602_14.0421.C8.o5.np	Method	AAT/NAP
Start	7136	End	7397
GI	669088	Score	206
Exons	7136..7397		
GI Descrip.	(X15901) ribosomal protein S12 [Oryza sativa]		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104155	Strand	+
Start	357	End	6806

Name	OJ990602_14.0421.C9.o1.gs	Method	GENSCAN
Start	357	End	6806
GI	none	Score	.41
Exons	357..567, 3279..3318, 3954..4133, 5739..5987, 6126..6276, 6330..6518, 6645..6806		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104156	Strand	+
Start	16184	End	17815
Name	OJ990602_14.0421.C9.o4.gs	Method	GENSCAN
Start	16184	End	17812
GI	none	Score	.98
Exons	16184..16406, 16818..17812		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104156	Strand	+
Start	16184	End	17815
Name	OJ990602_14.0421.C9.o2.np	Method	AAT/NAP
Start	16220	End	17815
GI	1345809	Score	1009
Exons	16220..16406, 16818..17815		
GI Descrip.	CHALCONE SYNTHASE (NAREGENIN-CHALCONE SYNTHASE) gi|2117713|pir||S58190 naringenin-chalcone synthase (EC 2.3.1.74) - rice gi|927491|emb|CAA61955| (X89859) naringenin-chalcone synthase [Oryza sativa]		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104157	Strand	+
Start	24714	End	24787
Name	OJ990602_14.0421.C9.o1.gp	Method	AAT/GAP
Start	24714	End	24787
GI	LIB3477-003-P1-K1-E9	Score	110
Exons	24714..24787		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104158	Strand	+
Start	25753	End	28225
Name	OJ990602_14.0421.C9.o3.np	Method	AAT/NAP
Start	25753	End	28225
GI	6721512	Score	160
Exons	25753..25871, 25899..26030, 26073..26178, 27819..27895, 28151..28225		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104159	Strand	+
Start	33946	End	34858
Name	OJ990602_14.0421.C9.o7.gs	Method	GENSCAN
Start	33946	End	34858
GI	none	Score	.79
Exons	33946..33975, 34350..34448, 34544..34858		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104160	Strand	+

Start	35513	End	38519
Name	OJ990602_14.0421.C9.o8.gs	Method	GENSCAN
Start	35513	End	38519
GI	none	Score	.87
Exons	35513..35726, 38473..38519		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104160	Strand	+
Start	35513	End	38519
Name	OJ990602_14.0421.C9.o5.np	Method	AAT/NAP
Start	35537	End	37739
GI	5305913	Score	179
Exons	35537..35730, 37670..37739		
GI Descrip.	(AF152551) chalcone synthase 4 [Sorghum bicolor]		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104161	Strand	-
Start	3215	End	3361
Name	OJ990602_14.0421.C9.o1.np	Method	AAT/NAP
Start	3215	End	3361
GI	7339719	Score	78
Exons	3215..3361		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104162	Strand	-
Start	6846	End	8804
Name	OJ990602_14.0421.C9.o2.gs	Method	GENSCAN
Start	6846	End	8804
GI	none	Score	.45
Exons	6846..8804		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104163	Strand	-
Start	26822	End	35764
Name	OJ990602_14.0421.C9.o3.tm	Method	TBLASTX:Maize
Start	2119	End	3014
GI	none	Score	39
Exons	2119..2163, 2125..2157, 2126..2221, 2180..2305, 2180..2305, 2198..2317, 2198..2311, 2205..2318, 2208..2318, 2210..2311, 2213..2320, 2213..2317, 2403..2504, 2403..2513, 2404..2472, 2404..2499, 2404..2505, 2409..2507, 2448..2630, 2509..2628, 2537..2605, 2564..2689, 2600..2689, 2612..2704, 2619..2690, 2736..2816, 2738..2851, 2738..2848, 2739..2843, 2744..2857, 2745..2849, 2745..2873, 2750..2869, 2751..2873, 2752..2859, 2753..2851, 2755..2844, 2844..2978, 2856..3014, 2857..2919, 2859..3008		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104163	Strand	-
Start	26822	End	35764
Name	OJ990602_14.0421.C9.o2.tw	Method	TBLASTX:Wheat
Start	7455	End	7859
GI	none	Score	170
Exons	7455..7613, 7653..7859		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9

Gene No.	104163	Strand	-
Start	26822	End	35764
Name	OJ990602_14.0421.C9.o1.tw	Method	TBLASTX:Wheat
Start	8253	End	8603
GI	none	Score	215
Exons	8253..8555, 8254..8559, 8556..8603		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104163	Strand	-
Start	26822	End	35764
Name	OJ990602_14.0421.C9.o2.tm	Method	TBLASTX:Maize
Start	8292	End	8664
GI	none	Score	144
Exons	8292..8663, 8311..8664		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104163	Strand	-
Start	26822	End	35764
Name	OJ990602_14.0421.C9.o2.ts	Method	TBLASTX:Soybean
Start	8319	End	8738
GI	none	Score	68
Exons	8319..8537, 8535..8738, 8539..8643		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104163	Strand	-
Start	26822	End	35764
Name	OJ990602_14.0421.C9.o1.tc	Method	TBLASTX:Cress
Start	16235	End	35728
GI	none	Score	202
Exons	16235..16408, 16241..16420, 16820..17323, 16822..17052, 17125..17334, 17335..17511, 17336..17518, 17525..17713, 17533..17571, 17612..17686, 17702..17782, 35563..35715, 35564..35728		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104163	Strand	-
Start	26822	End	35764
Name	OJ990602_14.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	16235	End	35764
GI	none	Score	194
Exons	16235..16411, 16243..16398, 16823..17518, 16825..17052, 17125..17511, 17525..17713, 17555..17683, 17717..17782, 17726..17782, 35563..35715, 35564..35764		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104163	Strand	-
Start	26822	End	35764
Name	OJ990602_14.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	16235	End	35764
GI	none	Score	206
Exons	16235..16408, 16255..16404, 16820..17518, 16822..17052, 17150..17401, 17176..17511, 17525..17713, 17567..17692, 17705..17782, 35546..35680, 35564..35764, 35575..35724		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104163	Strand	-
Start	26822	End	35764

Name	OJ990602_14.0421.C9.o4.np	Method	AAT/NAP
Start	26822	End	35723
GI	5295955	Score	485
Exons	26822..27414, 27454..27768, 27818..27959, 28622..28735, 29276..29345, 29663..29747, 35512..35723		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	48894	Seq. ID	OJ990602_14.0421.C9
Gene No.	104163	Strand	-
Start	26822	End	35764
Name	OJ990602_14.0421.C9.o6.gs	Method	GENSCAN
Start	28151	End	32942
GI	none	Score	.66
Exons	28151..28235, 28681..28799, 29208..29345, 29824..30022, 30370..30433, 31159..31257, 32055..32199, 32892..32942		

Seq. No.	48895	Seq. ID	OJ990602_14.0421.C12
Gene No.	104164	Strand	-
Start	1	End	1308
Name	OJ990602_14.0421.C12.o1.np	Method	AAT/NAP
Start	1	End	1308
GI	5922623	Score	73
Exons	1..129, 313..436, 1264..1308		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48896	Seq. ID	OJ990602_13.0420.C3
Gene No.	104165	Strand	+
Start	863	End	924
Name	OJ990602_13.0420.C3.o1.gs	Method	GENSCAN
Start	863	End	924
GI	none	Score	.85
Exons	863..924		

Seq. No.	48896	Seq. ID	OJ990602_13.0420.C3
Gene No.	104166	Strand	-
Start	1	End	233
Name	OJ990602_13.0420.C3.o1.np	Method	AAT/NAP
Start	1	End	233
GI	4680179	Score	174
Exons	1..233		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48897	Seq. ID	OJ990602_13.0420.C4
Gene No.	104167	Strand	+
Start	1548	End	2227
Name	OJ990602_13.0420.C4.o2.gs	Method	GENSCAN
Start	1548	End	2227
GI	none	Score	.51
Exons	1548..1602, 2070..2227		

Seq. No.	48897	Seq. ID	OJ990602_13.0420.C4
Gene No.	104168	Strand	-
Start	312	End	382
Name	OJ990602_13.0420.C4.o1.gs	Method	GENSCAN

Start	312	End	382
GI	none	Score	.55
Exons	312..382		

Seq. No.	48897	Seq. ID	OJ990602_13.0420.C4
Gene No.	104169	Strand	
Start	2213	End	2348
Name	OJ990602_13.0420.C4.o1.tw	Method	TBLASTX:Wheat
Start	2213	End	2348
GI	none	Score	98
Exons	2213..2323, 2214..2336, 2214..2348		

Seq. No.	48898	Seq. ID	OJ990602_13.0420.C7
Gene No.	104170	Strand	+
Start	251	End	350
Name	OJ990602_13.0420.C7.o1.gs	Method	GENSCAN
Start	251	End	350
GI	none	Score	.61
Exons	251..350		

Seq. No.	48899	Seq. ID	OJ990602_13.0420.C13
Gene No.	104171	Strand	-
Start	3080	End	3583
Name	OJ990602_13.0420.C13.o2.gs	Method	GENSCAN
Start	3080	End	3583
GI	none	Score	.92
Exons	3080..3583		

Seq. No.	48900	Seq. ID	OJ990602_13.0420.C17
Gene No.	104172	Strand	-
Start	459	End	2008
Name	OJ990602_13.0420.C17.o1.gs	Method	GENSCAN
Start	459	End	2008
GI	none	Score	.56
Exons	459..530, 886..1009, 1272..1533, 1646..2008		

Seq. No.	48901	Seq. ID	OJ990602_13.0420.C19
Gene No.	104173	Strand	+
Start	1	End	1423
Name	OJ990602_13.0420.C19.o1.np	Method	AAT/NAP
Start	1	End	1423
GI	7486726	Score	564
Exons	1..225, 323..1235, 1263..1423		
GI Descrip.	hypothetical protein F9D12.2 - Arabidopsis thaliana gi|3319345|gb|AAC26234.1| (AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	48901	Seq. ID	OJ990602_13.0420.C19
Gene No.	104173	Strand	+
Start	1	End	1423
Name	OJ990602_13.0420.C19.o1.tm	Method	TBLASTX:Maize
Start	356	End	951
GI	none	Score	49
Exons	356..430, 431..559, 576..698, 586..771, 847..951		

Seq. No.	48901	Seq. ID	OJ990602_13.0420.C19
Gene No.	104173	Strand	+

Start	1	End	1423
Name	OJ990602_13.0420.C19.o1.ts	Method	TBLASTX:Soybean
Start	604	End	999
GI	none	Score	206
Exons	604..999		

Seq. No.	48901	Seq. ID	OJ990602_13.0420.C19
Gene No.	104173	Strand	+
Start	1	End	1423
Name	OJ990602_13.0420.C19.o2.tm	Method	TBLASTX:Maize
Start	1000	End	1204
GI	none	Score	189
Exons	1000..1101, 1001..1204, 1079..1129		

Seq. No.	48901	Seq. ID	OJ990602_13.0420.C19
Gene No.	104173	Strand	+
Start	1	End	1423
Name	OJ990602_13.0420.C19.o1.gs	Method	GENSCAN
Start	1037	End	1423
GI	none	Score	.75
Exons	1037..1423		

Seq. No.	48902	Seq. ID	OJ990602_13.0420.C20
Gene No.	104174	Strand	+
Start	178	End	432
Name	OJ990602_13.0420.C20.o1.gs	Method	GENSCAN
Start	178	End	432
GI	none	Score	.96
Exons	178..432		

Seq. No.	48903	Seq. ID	OJ990602_13.0420.C21
Gene No.	104175	Strand	-
Start	209	End	1251
Name	OJ990602_13.0420.C21.o1.gs	Method	GENSCAN
Start	209	End	1248
GI	none	Score	.77
Exons	209..303, 685..766, 850..900, 1207..1248		

Seq. No.	48903	Seq. ID	OJ990602_13.0420.C21
Gene No.	104175	Strand	-
Start	209	End	1251
Name	OJ990602_13.0420.C21.o1.ts	Method	TBLASTX:Soybean
Start	218	End	1251
GI	none	Score	89
Exons	218..304, 222..305, 680..769, 684..758, 847..900, 978..1070, 986..1072, 998..1117, 1000..1089, 1199..1243, 1207..1251		

Seq. No.	48904	Seq. ID	OJ990602_13.0420.C22
Gene No.	104176	Strand	+
Start	475	End	720
Name	OJ990602_13.0420.C22.o1.gp	Method	AAT/GAP
Start	300	End	403
GI	2311840	Score	157
Exons	300..403		
GI Descrip.	3879119/emb|CAA94368.1| 2.0e-17 (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]		

Seq. No.	48904	Seq. ID	OJ990602_13.0420.C22
Gene No.	104176	Strand	+
Start	475	End	720
Name	OJ990602_13.0420.C22.o1.gs	Method	GENSCAN
Start	475	End	720
GI	none	Score	.61
Exons	475..543, 676..720		

Seq. No.	48904	Seq. ID	OJ990602_13.0420.C22
Gene No.	104177	Strand	-
Start	1	End	1305
Name	OJ990602_13.0420.C22.o1.np	Method	AAT/NAP
Start	1	End	1305
GI	6065841	Score	52
Exons	1..65, 303..401, 1282..1305		
GI Descrip.	(AJ250306) hypothetical protein [Drosophila melanogaster]		

Seq. No.	48904	Seq. ID	OJ990602_13.0420.C22
Gene No.	104177	Strand	-
Start	1	End	1305
Name	OJ990602_13.0420.C22.o1.tm	Method	TBLASTX:Maize
Start	300	End	409
GI	none	Score	158
Exons	300..404, 300..401, 302..409, 302..409		

Seq. No.	48905	Seq. ID	OJ990602_13.0420.C23
Gene No.	104178	Strand	-
Start	67	End	326
Name	OJ990602_13.0420.C23.o1.gp	Method	AAT/GAP
Start	67	End	326
GI	2311840	Score	208
Exons	67..135, 267..326		
GI Descrip.	3879119/emb|CAA94368.1| 2.0e-17 (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]		

Seq. No.	48905	Seq. ID	OJ990602_13.0420.C23
Gene No.	104179	Strand	-
Start	267	End	408
Name	OJ990602_13.0420.C23.o1.tm	Method	TBLASTX:Maize
Start	68	End	408
GI	none	Score	152
Exons	68..136, 69..137, 250..408, 267..404		

Seq. No.	48905	Seq. ID	OJ990602_13.0420.C23
Gene No.	104179	Strand	-
Start	267	End	408
Name	OJ990602_13.0420.C23.o1.ts	Method	TBLASTX:Soybean
Start	259	End	408
GI	none	Score	59
Exons	259..408, 267..356, 269..403		

Seq. No.	48905	Seq. ID	OJ990602_13.0420.C23
Gene No.	104179	Strand	-
Start	267	End	408
Name	OJ990602_13.0420.C23.o1.gs	Method	GENSCAN

Start	267	End	401
GI	none	Score	.6
Exons	267..401		

Seq. No.	48906	Seq. ID	OJ990602_13.0420.C25
Gene No.	104180	Strand	+
Start	994	End	1910
Name	OJ990602_13.0420.C25.o1.gs	Method	GENSCAN
Start	994	End	1910
GI	none	Score	.64
Exons	994..1119, 1735..1910		

Seq. No.	48906	Seq. ID	OJ990602_13.0420.C25
Gene No.	104181	Strand	+
Start	2574	End	3382
Name	OJ990602_13.0420.C25.o2.gs	Method	GENSCAN
Start	2574	End	3382
GI	none	Score	.81
Exons	2574..2898, 3303..3382		

Seq. No.	48907	Seq. ID	OJ990602_13.0420.C29
Gene No.	104182	Strand	+
Start	1	End	855
Name	OJ990602_13.0420.C29.o1.np	Method	AAT/NAP
Start	1	End	855
GI	5852175	Score	166
Exons	1..105, 672..855		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	48907	Seq. ID	OJ990602_13.0420.C29
Gene No.	104183	Strand	-
Start	605	End	853
Name	OJ990602_13.0420.C29.o1.gs	Method	GENSCAN
Start	605	End	853
GI	none	Score	.86
Exons	605..853		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o1.np	Method	AAT/NAP
Start	1	End	2965
GI	4680179	Score	3677
Exons	1..2965		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o3.tw	Method	TBLASTX:Wheat
Start	2	End	317
GI	none	Score	140
Exons	2..316, 5..247, 9..317		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965

Name	OJ990602_13.0420.C35.o1.gs	Method	GENSCAN
Start	9	End	2855
GI	none	Score	.55
Exons	9..208, 514..1028, 1043..1393, 1673..1815, 1912..2122, 2663..2855		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o1.tm	Method	TBLASTX:Maize
Start	38	End	358
GI	none	Score	176
Exons	38..343, 41..358, 45..347		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o2.ts	Method	TBLASTX:Soybean
Start	275	End	531
GI	none	Score	92
Exons	275..376, 276..371, 374..412, 376..462, 376..435, 424..531, 425..526, 439..528		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o4.tw	Method	TBLASTX:Wheat
Start	323	End	727
GI	none	Score	55
Exons	323..376, 327..392, 374..424, 376..426, 424..726, 428..727		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o1.tw	Method	TBLASTX:Wheat
Start	787	End	1298
GI	none	Score	116
Exons	787..1026, 875..1027, 886..1032, 1009..1266, 1025..1135, 1029..1298		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o2.tm	Method	TBLASTX:Maize
Start	868	End	1226
GI	none	Score	74
Exons	868..1026, 875..1021, 1035..1226, 1042..1122, 1141..1224		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o4.tm	Method	TBLASTX:Maize
Start	1233	End	1505
GI	none	Score	92
Exons	1233..1505, 1237..1485		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35

Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o5.tw	Method	TBLASTX:Wheat
Start	1299	End	1608
GI	none	Score	150
Exons	1299..1505, 1306..1506, 1540..1608, 1541..1597		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o1.ts	Method	TBLASTX:Soybean
Start	1314	End	1715
GI	none	Score	99
Exons	1314..1505, 1315..1506, 1540..1683, 1540..1644, 1683..1715, 1684..1713		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o2.tw	Method	TBLASTX:Wheat
Start	1665	End	2138
GI	none	Score	220
Exons	1665..2138, 1699..2124		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o3.tm	Method	TBLASTX:Maize
Start	1839	End	2121
GI	none	Score	98
Exons	1839..1994, 1839..2120, 1840..2028, 2056..2121		

Seq. No.	48908	Seq. ID	OJ990602_13.0420.C35
Gene No.	104184	Strand	-
Start	1	End	2965
Name	OJ990602_13.0420.C35.o6.tw	Method	TBLASTX:Wheat
Start	2310	End	2664
GI	none	Score	92
Exons	2310..2663, 2524..2664		

Seq. No.	48909	Seq. ID	OJ990602_13.0420.C39
Gene No.	104185	Strand	+
Start	906	End	1037
Name	OJ990602_13.0420.C39.o1.gs	Method	GENSCAN
Start	906	End	1037
GI	none	Score	.87
Exons	906..1037		

Seq. No.	48910	Seq. ID	OJ990602_13.0420.C42
Gene No.	104186	Strand	+
Start	412	End	507
Name	OJ990602_13.0420.C42.o1.gs	Method	GENSCAN
Start	412	End	507
GI	none	Score	.62
Exons	412..507		

Seq. No.	48911	Seq. ID	OJ990602_13.0420.C43

Gene No.	104187	Strand	+
Start	1	End	3759
Name	OJ990602_13.0420.C43.o2.np	Method	AAT/NAP
Start	1	End	1498
GI	7452410	Score	59
Exons	1..24, 1266..1498		
GI Descrip.	hypothetical protein dl3180w - Arabidopsis thaliana gi|2244784|emb|CAB10207.1| (Z97335) hypothetical protein [Arabidopsis thaliana] gi|7268133|emb|CAB78470.1| (AL161538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48911	Seq. ID	OJ990602_13.0420.C43
Gene No.	104187	Strand	+
Start	1	End	3759
Name	OJ990602_13.0420.C43.o1.ts	Method	TBLASTX:Soybean
Start	456	End	938
GI	none	Score	41
Exons	456..539, 531..563, 535..564, 609..938, 637..822		

Seq. No.	48911	Seq. ID	OJ990602_13.0420.C43
Gene No.	104187	Strand	+
Start	1	End	3759
Name	OJ990602_13.0420.C43.o1.tm	Method	TBLASTX:Maize
Start	553	End	870
GI	none	Score	240
Exons	553..870, 558..866		

Seq. No.	48911	Seq. ID	OJ990602_13.0420.C43
Gene No.	104187	Strand	+
Start	1	End	3759
Name	OJ990602_13.0420.C43.o1.gs	Method	GENSCAN
Start	1179	End	3759
GI	none	Score	.64
Exons	1179..1260, 1272..1525, 2025..2094, 2415..2531, 2908..2976, 3676..3759		

Seq. No.	48911	Seq. ID	OJ990602_13.0420.C43
Gene No.	104187	Strand	+
Start	1	End	3759
Name	OJ990602_13.0420.C43.o2.tm	Method	TBLASTX:Maize
Start	1266	End	1460
GI	none	Score	182
Exons	1266..1460, 1283..1459		

Seq. No.	48912	Seq. ID	OJ990602_13.0420.C44
Gene No.	104188	Strand	+
Start	497	End	597
Name	OJ990602_13.0420.C44.o1.gs	Method	GENSCAN
Start	497	End	597
GI	none	Score	.5
Exons	497..597		

Seq. No.	48913	Seq. ID	OJ990602_13.0420.C46
Gene No.	104189	Strand	+
Start	495	End	725
Name	OJ990602_13.0420.C46.o1.gs	Method	GENSCAN
Start	495	End	725

GI	none	Score	.45
Exons	495..725		

Seq. No.	48914	Seq. ID	OJ990602_13.0420.C47
Gene No.	104190	Strand	-
Start	3548	End	4078
Name	OJ990602_13.0420.C47.o2.gs	Method	GENSCAN
Start	3548	End	4078
GI	none	Score	.48
Exons	3548..3753, 3850..4078		

Seq. No.	48914	Seq. ID	OJ990602_13.0420.C47
Gene No.	104191	Strand	-
Start	4411	End	5067
Name	OJ990602_13.0420.C47.o3.gs	Method	GENSCAN
Start	4411	End	5067
GI	none	Score	.66
Exons	4411..4555, 4919..5067		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104192	Strand	+
Start	2118	End	3306
Name	OJ990602_13.0420.C51.o1.gs	Method	GENSCAN
Start	2118	End	3306
GI	none	Score	.63
Exons	2118..2234, 2645..2758, 2851..2932, 2974..3161, 3286..3306		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104193	Strand	+
Start	7488	End	8232
Name	OJ990602_13.0420.C51.o1.gp	Method	AAT/GAP
Start	7364	End	8133
GI	10994_1.R1084	Score	888
Exons	7364..7568, 7725..7800, 7922..8133		
GI Descrip.	'4467145/emb|CAB37514| 7.0e-29 (AL035540) farnesylated protein (ATFP6) [Arabidopsis thaliana]'		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104193	Strand	+
Start	7488	End	8232
Name	OJ990602_13.0420.C51.o3.gs	Method	GENSCAN
Start	7488	End	8232
GI	none	Score	.99
Exons	7488..7568, 7725..7800, 7922..8232		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104193	Strand	+
Start	7488	End	8232
Name	OJ990602_13.0420.C51.o2.np	Method	AAT/NAP
Start	7539	End	8229
GI	4097573	Score	448
Exons	7539..7568, 7725..7800, 7922..8229		
GI Descrip.	(U64917) GMFP7 [Glycine max]		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104194	Strand	+
Start	14173	End	15107

Name	OJ990602_13.0420.C51.o6.gs	Method	GENSCAN
Start	14173	End	15107
GI	none	Score	.84
Exons	14173..14176, 14375..14493, 14758..14901, 14919..15107		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104195	Strand	+
Start	17210	End	17653
Name	OJ990602_13.0420.C51.o5.gp	Method	AAT/GAP
Start	17210	End	17653
GI	uC-osroM202031a12b1	Score	830
Exons	17210..17653		
GI Descrip.	'3879119/emb|CAA94368.1| 2.0e-17 (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]'		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104196	Strand	-
Start	2096	End	8580
Name	OJ990602_13.0420.C51.o1.np	Method	AAT/NAP
Start	2096	End	8381
GI	5295955	Score	1153
Exons	2096..2669, 2709..2775, 2855..3236, 3997..4024, 4706..4820, 5363..5432, 5726..5859, 8056..8381		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104196	Strand	-
Start	2096	End	8580
Name	OJ990602_13.0420.C51.o2.gs	Method	GENSCAN
Start	3496	End	5833
GI	none	Score	.51
Exons	3496..3584, 3668..3877, 4697..4820, 5295..5452, 5773..5833		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104196	Strand	-
Start	2096	End	8580
Name	OJ990602_13.0420.C51.o2.gp	Method	AAT/GAP
Start	8207	End	8580
GI	uC-osroM202016a12a1	Score	596
Exons	8207..8333, 8365..8580		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104197	Strand	-
Start	12385	End	14101
Name	OJ990602_13.0420.C51.o5.gs	Method	GENSCAN
Start	12385	End	12949
GI	none	Score	.91
Exons	12385..12861, 12866..12949		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104197	Strand	-
Start	12385	End	14101
Name	OJ990602_13.0420.C51.o3.np	Method	AAT/NAP

Start	12610	End	14101
GI	5852180	Score	373
Exons	12610..12982, 14011..14101		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104198	Strand	-
Start	14370	End	14675
Name	OJ990602_13.0420.C51.o1.tm	Method	TBLASTX:Maize
Start	7473	End	8232
GI	none	Score	141
Exons	7473..7574, 7488..7568, 7514..7576, 7718..7801, 7719..7802, 7920..8231, 7921..8232, 8194..8232		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104198	Strand	-
Start	14370	End	14675
Name	OJ990602_13.0420.C51.o1.tc	Method	TBLASTX:Cress
Start	7718	End	8232
GI	none	Score	111
Exons	7718..7801, 7722..7802, 7920..8129, 7921..8127, 8128..8232, 8169..8231		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104198	Strand	-
Start	14370	End	14675
Name	OJ990602_13.0420.C51.o1.ts	Method	TBLASTX:Soybean
Start	7718	End	8241
GI	none	Score	119
Exons	7718..7801, 7719..7802, 7920..8234, 7921..8241		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104198	Strand	-
Start	14370	End	14675
Name	OJ990602_13.0420.C51.o4.gp	Method	AAT/GAP
Start	14370	End	14675
GI	61605_3.R1084	Score	439
Exons	14370..14675		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	48915	Seq. ID	OJ990602_13.0420.C51
Gene No.	104199	Strand	
Start	15879	End	16221
Name	OJ990602_13.0420.C51.o2.tm	Method	TBLASTX:Maize
Start	15879	End	16221
GI	none	Score	62
Exons	15879..15986, 15988..16041, 16054..16152, 16073..16186, 16168..16221		

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104200	Strand	+
Start	93	End	536
Name	OJ990602_13.0420.C52.o1.gp	Method	AAT/GAP
Start	93	End	536
GI	uC-osroM202031a12b1	Score	830
Exons	93..536		

GI Descrip. '3879119/emb|CAA94368.1| 2.0e-17 (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]'

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104201	Strand	+
Start	10083	End	10361
Name	OJ990602_13.0420.C52.o3.gp	Method	AAT/GAP
Start	10083	End	10361
GI	2311840	Score	294
Exons	10083..10108, 10191..10361		
GI Descrip.	3879119/emb|CAA94368.1| 2.0e-17 (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]		

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104202	Strand	-
Start	414	End	7172
Name	OJ990602_13.0420.C52.o1.np	Method	AAT/NAP
Start	414	End	7156
GI	6560732	Score	422
Exons	414..479, 560..619, 1370..1457, 2487..2566, 2643..2761, 3243..3389, 6398..6464, 6552..6752, 6820..7156		
GI Descrip.	(AF209069) hypothetical protein [Homo sapiens]		

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104202	Strand	-
Start	414	End	7172
Name	OJ990602_13.0420.C52.o1.gs	Method	GENSCAN
Start	2171	End	3625
GI	none	Score	.71
Exons	2171..2243, 2487..2566, 2643..2761, 3246..3324, 3587..3625		

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104202	Strand	-
Start	414	End	7172
Name	OJ990602_13.0420.C52.o2.gs	Method	GENSCAN
Start	5470	End	7086
GI	none	Score	.49
Exons	5470..5723, 6398..6464, 6552..6752, 6820..7086		

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104202	Strand	-
Start	414	End	7172
Name	OJ990602_13.0420.C52.o2.gp	Method	AAT/GAP
Start	6586	End	7172
GI	26088_1.R1084	Score	1020
Exons	6586..6752, 6820..7172		
GI Descrip.	'3879119/emb|CAA94368.1| 2.0e-17 (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]'		

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104203	Strand	-
Start	8305	End	10368
Name	OJ990602_13.0420.C52.o1.tw	Method	TBLASTX:Wheat
Start	418	End	2736

GI	none	Score	67
Exons	418..468, 426..497, 427..501, 428..499, 435..506, 552..644, 558..632, 560..643, 1388..1459, 1389..1502, 1391..1462, 2459..2566, 2483..2551, 2487..2567, 2494..2568, 2636..2734, 2641..2736, 2643..2735		

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104203	Strand	-
Start	8305	End	10368
Name	OJ990602_13.0420.C52.o2.ts	Method	TBLASTX:Soybean
Start	6394	End	6638
GI	none	Score	93
Exons	6394..6465, 6396..6464, 6552..6638, 6553..6582		

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104203	Strand	-
Start	8305	End	10368
Name	OJ990602_13.0420.C52.o2.tm	Method	TBLASTX:Maize
Start	6552	End	6898
GI	none	Score	122
Exons	6552..6662, 6552..6671, 6553..6666, 6663..6752, 6669..6752, 6814..6891, 6821..6898		

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104203	Strand	-
Start	8305	End	10368
Name	OJ990602_13.0420.C52.o3.gs	Method	GENSCAN
Start	8305	End	10360
GI	none	Score	.7
Exons	8305..8373, 8577..8712, 9389..9511, 9971..10079, 10193..10360		

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104203	Strand	-
Start	8305	End	10368
Name	OJ990602_13.0420.C52.o1.tc	Method	TBLASTX:Cress
Start	9898	End	10081
GI	none	Score	157
Exons	9898..10080, 9899..10081		

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104203	Strand	-
Start	8305	End	10368
Name	OJ990602_13.0420.C52.o2.np	Method	AAT/NAP
Start	9900	End	10360
GI	7506618	Score	135
Exons	9900..10079, 10193..10360		
GI Descrip.	hypothetical protein R11A8.5 - Caenorhabditis elegans gi|3879119|emb|CAA94368.1| (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]		

Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104203	Strand	-
Start	8305	End	10368
Name	OJ990602_13.0420.C52.o1.tm	Method	TBLASTX:Maize
Start	9922	End	10362
GI	none	Score	193

Exons	9922..10080, 9922..10080, 9923..10081, 10187..10303, 10191..10358, 10191..10361, 10192..10362		
Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104203	Strand	-
Start	8305	End	10368
Name	OJ990602_13.0420.C52.o1.ts	Method	TBLASTX:Soybean
Start	9955	End	10343
GI	none	Score	148
Exons	9955..10080, 9956..10081, 10191..10343, 10192..10338		
Seq. No.	48916	Seq. ID	OJ990602_13.0420.C52
Gene No.	104203	Strand	-
Start	8305	End	10368
Name	OJ990602_13.0420.C52.o2.tc	Method	TBLASTX:Cress
Start	10218	End	10368
GI	none	Score	162
Exons	10218..10361, 10219..10368		
Seq. No.	48917	Seq. ID	OJ990602_13.0420.C53
Gene No.	104204	Strand	+
Start	92	End	170
Name	OJ990602_13.0420.C53.o1.gp	Method	AAT/GAP
Start	92	End	170
GI	2311840	Score	91
Exons	92..170		
GI Descrip.	3879119/emb|CAA94368.1| 2.0e-17 (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]		
Seq. No.	48918	Seq. ID	OJ990602_13.0420.C55
Gene No.	104205	Strand	-
Start	772	End	914
Name	OJ990602_13.0420.C55.o1.gs	Method	GENSCAN
Start	772	End	914
GI	none	Score	.54
Exons	772..914		
Seq. No.	48919	Seq. ID	OJ990602_13.0420.C56
Gene No.	104206	Strand	-
Start	717	End	813
Name	OJ990602_13.0420.C56.o1.gs	Method	GENSCAN
Start	717	End	813
GI	none	Score	.81
Exons	717..813		
Seq. No.	48920	Seq. ID	OJ990602_13.0420.C57
Gene No.	104207	Strand	+
Start	1	End	3508
Name	OJ990602_13.0420.C57.o1.np	Method	AAT/NAP
Start	1	End	3508
GI	6691191	Score	879
Exons	1..31, 2707..3508		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		
Seq. No.	48920	Seq. ID	OJ990602_13.0420.C57
Gene No.	104207	Strand	+

Start	1	End	3508
Name	OJ990602_13.0420.C57.o1.gs	Method	GENSCAN
Start	1116	End	2829
GI	none	Score	.7
Exons	1116..1235, 1918..2034, 2075..2829		

Seq. No.	48920	Seq. ID	OJ990602_13.0420.C57
Gene No.	104207	Strand	+
Start	1	End	3508
Name	OJ990602_13.0420.C57.o1.tw	Method	TBLASTX:Wheat
Start	2849	End	3251
GI	none	Score	452
Exons	2849..2896, 2850..3251, 2963..3142, 3197..3250		

Seq. No.	48920	Seq. ID	OJ990602_13.0420.C57
Gene No.	104207	Strand	+
Start	1	End	3508
Name	OJ990602_13.0420.C57.o1.ts	Method	TBLASTX:Soybean
Start	2850	End	3273
GI	none	Score	420
Exons	2850..3272, 2963..3265, 3139..3273		

Seq. No.	48920	Seq. ID	OJ990602_13.0420.C57
Gene No.	104207	Strand	+
Start	1	End	3508
Name	OJ990602_13.0420.C57.o2.gs	Method	GENSCAN
Start	3078	End	3465
GI	none	Score	.66
Exons	3078..3361, 3392..3465		

Seq. No.	48920	Seq. ID	OJ990602_13.0420.C57
Gene No.	104207	Strand	+
Start	1	End	3508
Name	OJ990602_13.0420.C57.o1.tm	Method	TBLASTX:Maize
Start	3135	End	3497
GI	none	Score	217
Exons	3135..3497		

Seq. No.	48920	Seq. ID	OJ990602_13.0420.C57
Gene No.	104207	Strand	+
Start	1	End	3508
Name	OJ990602_13.0420.C57.o2.tw	Method	TBLASTX:Wheat
Start	3348	End	3506
GI	none	Score	191
Exons	3348..3506, 3350..3400, 3369..3494		

Seq. No.	48921	Seq. ID	OJ990602_13.0420.C58
Gene No.	104208	Strand	+
Start	1	End	979
Name	OJ990602_13.0420.C58.o1.np	Method	AAT/NAP
Start	1	End	921
GI	6691191	Score	752
Exons	1..921		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	48921	Seq. ID	OJ990602_13.0420.C58
Gene No.	104208	Strand	+

Start	1	End	979
Name	OJ990602_13.0420.C58.o2.ts	Method	TBLASTX:Soybean
Start	22	End	335
GI	none	Score	67
Exons	22..63, 24..62, 60..146, 61..135, 128..334, 132..335		

Seq. No.	48921	Seq. ID	OJ990602_13.0420.C58
Gene No.	104208	Strand	+
Start	1	End	979
Name	OJ990602_13.0420.C58.o2.tw	Method	TBLASTX:Wheat
Start	27	End	326
GI	none	Score	96
Exons	27..134, 28..135, 156..326, 158..232		

Seq. No.	48921	Seq. ID	OJ990602_13.0420.C58
Gene No.	104208	Strand	+
Start	1	End	979
Name	OJ990602_13.0420.C58.o1.ts	Method	TBLASTX:Soybean
Start	336	End	863
GI	none	Score	368
Exons	336..725, 359..577, 738..824, 810..863		

Seq. No.	48921	Seq. ID	OJ990602_13.0420.C58
Gene No.	104208	Strand	+
Start	1	End	979
Name	OJ990602_13.0420.C58.o1.tw	Method	TBLASTX:Wheat
Start	342	End	728
GI	none	Score	59
Exons	342..698, 343..489, 348..728		

Seq. No.	48921	Seq. ID	OJ990602_13.0420.C58
Gene No.	104208	Strand	+
Start	1	End	979
Name	OJ990602_13.0420.C58.o1.gs	Method	GENSCAN
Start	616	End	979
GI	none	Score	.82
Exons	616..683, 737..833, 917..979		

Seq. No.	48922	Seq. ID	OJ990602_13.0420.C59
Gene No.	104209	Strand	+
Start	237	End	351
Name	OJ990602_13.0420.C59.o1.gs	Method	GENSCAN
Start	237	End	351
GI	none	Score	.51
Exons	237..351		

Seq. No.	48923	Seq. ID	OJ990602_12.0421.C1
Gene No.	104210	Strand	+
Start	185	End	802
Name	OJ990602_12.0421.C1.o1.gs	Method	GENSCAN
Start	185	End	802
GI	none	Score	.67
Exons	185..205, 677..802		

Seq. No.	48923	Seq. ID	OJ990602_12.0421.C1
Gene No.	104211	Strand	-
Start	1	End	926

Name	OJ990602_12.0421.C1.o1.np	Method	AAT/NAP
Start	1	End	926
GI	6063554	Score	140
Exons	1..109, 745..773, 853..926		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48924	Seq. ID	OJ990602_12.0421.C3
Gene No.	104212	Strand	-
Start	292	End	708
Name	OJ990602_12.0421.C3.o1.gs	Method	GENSCAN
Start	292	End	462
GI	none	Score	.9
Exons	292..462		

Seq. No.	48924	Seq. ID	OJ990602_12.0421.C3
Gene No.	104212	Strand	-
Start	292	End	708
Name	OJ990602_12.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	310	End	601
GI	none	Score	96
Exons	310..600, 400..600, 494..601		

Seq. No.	48924	Seq. ID	OJ990602_12.0421.C3
Gene No.	104212	Strand	-
Start	292	End	708
Name	OJ990602_12.0421.C3.o1.tw	Method	TBLASTX:Wheat
Start	490	End	708
GI	none	Score	102
Exons	490..708, 491..706		

Seq. No.	48925	Seq. ID	OJ990602_12.0421.C4
Gene No.	104213	Strand	+
Start	4429	End	9218
Name	OJ990602_12.0421.C4.o2.gs	Method	GENSCAN
Start	4429	End	9218
GI	none	Score	.6
Exons	4429..4509, 4630..4763, 5347..5518, 7904..7952, 8050..8156, 8202..8464, 8484..8609, 9104..9218		

Seq. No.	48925	Seq. ID	OJ990602_12.0421.C4
Gene No.	104214	Strand	-
Start	1	End	8416
Name	OJ990602_12.0421.C4.o1.np	Method	AAT/NAP
Start	1	End	1586
GI	3746069	Score	536
Exons	1..1586		
GI Descrip.	(AC005311) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	48925	Seq. ID	OJ990602_12.0421.C4
Gene No.	104214	Strand	-
Start	1	End	8416
Name	OJ990602_12.0421.C4.o2.tw	Method	TBLASTX:Wheat
Start	1	End	285
GI	none	Score	92

Exons	1..285, 2..169, 124..282		
Seq. No.	48925	Seq. ID	OJ990602_12.0421.C4
Gene No.	104214	Strand	-
Start	1	End	8416
Name	OJ990602_12.0421.C4.o2.np	Method	AAT/NAP
Start	1	End	8416
GI	7476128	Score	36
Exons	1..27, 3570..3696, 8008..8416		
GI Descrip.	hypothetical glycine-rich protein Rv0977 - Mycobacterium tuberculosis (strain H37RV) gi|2916938|emb|CAA17576.1| (AL021999) PE_PGRS [Mycobacterium tuberculosis]		
Seq. No.	48925	Seq. ID	OJ990602_12.0421.C4
Gene No.	104214	Strand	-
Start	1	End	8416
Name	OJ990602_12.0421.C4.o2.tm	Method	TBLASTX:Maize
Start	13	End	484
GI	none	Score	55
Exons	13..105, 14..100, 112..483, 122..241, 124..459, 296..484		
Seq. No.	48925	Seq. ID	OJ990602_12.0421.C4
Gene No.	104214	Strand	-
Start	1	End	8416
Name	OJ990602_12.0421.C4.o1.ts	Method	TBLASTX:Soybean
Start	553	End	935
GI	none	Score	39
Exons	553..672, 555..695, 726..935, 754..933		
Seq. No.	48925	Seq. ID	OJ990602_12.0421.C4
Gene No.	104214	Strand	-
Start	1	End	8416
Name	OJ990602_12.0421.C4.o3.tw	Method	TBLASTX:Wheat
Start	567	End	929
GI	none	Score	166
Exons	567..689, 708..929		
Seq. No.	48925	Seq. ID	OJ990602_12.0421.C4
Gene No.	104214	Strand	-
Start	1	End	8416
Name	OJ990602_12.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	669	End	1632
GI	none	Score	65
Exons	669..935, 730..933, 937..987, 1002..1166, 1020..1616, 1144..1632		
Seq. No.	48925	Seq. ID	OJ990602_12.0421.C4
Gene No.	104214	Strand	-
Start	1	End	8416
Name	OJ990602_12.0421.C4.o1.gs	Method	GENSCAN
Start	820	End	3720
GI	none	Score	.61
Exons	820..931, 1031..1240, 1280..1549, 2768..2935, 3304..3335, 3557..3720		
Seq. No.	48925	Seq. ID	OJ990602_12.0421.C4
Gene No.	104214	Strand	-
Start	1	End	8416

Name	OJ990602_12.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	1287	End	1595
GI	none	Score	179
Exons	1287..1595, 1321..1563		

Seq. No.	48926	Seq. ID	OJ990602_12.0421.C5
Gene No.	104215	Strand	+
Start	122	End	394
Name	OJ990602_12.0421.C5.o1.gp	Method	AAT/GAP
Start	122	End	394
GI	61605_1.R1084	Score	466
Exons	122..394		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48926	Seq. ID	OJ990602_12.0421.C5
Gene No.	104216	Strand	+
Start	949	End	2064
Name	OJ990602_12.0421.C5.o1.gs	Method	GENSCAN
Start	949	End	2064
GI	none	Score	.77
Exons	949..2064		

Seq. No.	48926	Seq. ID	OJ990602_12.0421.C5
Gene No.	104216	Strand	+
Start	949	End	2064
Name	OJ990602_12.0421.C5.o1.np	Method	AAT/NAP
Start	949	End	1992
GI	6983860	Score	973
Exons	949..1992		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	48926	Seq. ID	OJ990602_12.0421.C5
Gene No.	104217	Strand	+
Start	4378	End	4808
Name	OJ990602_12.0421.C5.o3.gp	Method	AAT/GAP
Start	4378	End	4808
GI	2428185	Score	768
Exons	4378..4808		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	48926	Seq. ID	OJ990602_12.0421.C5
Gene No.	104218	Strand	+
Start	7337	End	7761
Name	OJ990602_12.0421.C5.o6.gp	Method	AAT/GAP
Start	7337	End	7761
GI	2428069	Score	655
Exons	7337..7761		

Seq. No.	48926	Seq. ID	OJ990602_12.0421.C5
Gene No.	104219	Strand	-
Start	1043	End	1530
Name	OJ990602_12.0421.C5.o2.gp	Method	AAT/GAP
Start	1043	End	1530
GI	uC-osf1cyp162a07a1	Score	662

Exons	1043..1270, 1370..1530		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	48926	Seq. ID	OJ990602_12.0421.C5
Gene No.	104220	Strand	-
Start	2902	End	7518
Name	OJ990602_12.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	1111	End	1467
GI	none	Score	294
Exons	1111..1467, 1119..1466		

Seq. No.	48926	Seq. ID	OJ990602_12.0421.C5
Gene No.	104220	Strand	-
Start	2902	End	7518
Name	OJ990602_12.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	1348	End	1644
GI	none	Score	210
Exons	1348..1611, 1374..1535, 1576..1644		

Seq. No.	48926	Seq. ID	OJ990602_12.0421.C5
Gene No.	104220	Strand	-
Start	2902	End	7518
Name	OJ990602_12.0421.C5.o2.gs	Method	GENSCAN
Start	2902	End	7518
GI	none	Score	.5
Exons	2902..3144, 3175..3416, 3491..3757, 4700..4802, 5316..5334, 5540..5975, 7386..7518		

Seq. No.	48926	Seq. ID	OJ990602_12.0421.C5
Gene No.	104220	Strand	-
Start	2902	End	7518
Name	OJ990602_12.0421.C5.o2.np	Method	AAT/NAP
Start	3185	End	4720
GI	5852179	Score	400
Exons	3185..3413, 3488..3712, 4700..4720		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	48926	Seq. ID	OJ990602_12.0421.C5
Gene No.	104220	Strand	-
Start	2902	End	7518
Name	OJ990602_12.0421.C5.o5.gp	Method	AAT/GAP
Start	5338	End	5690
GI	61605_3.R1084	Score	321
Exons	5338..5619, 5668..5690		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	48927	Seq. ID	OJ990602_12.0421.C6
Gene No.	104221	Strand	+
Start	711	End	5694
Name	OJ990602_12.0421.C6.o1.gs	Method	GENSCAN
Start	711	End	5694
GI	none	Score	.72
Exons	711..738, 1569..1806, 1905..2022, 2097..2495, 2642..2764, 2846..2947, 3026..3286, 3943..4114, 4235..4635, 5278..5694		

Seq. No.	48927	Seq. ID	OJ990602_12.0421.C6
Gene No.	104221	Strand	+
Start	711	End	5694
Name	OJ990602_12.0421.C6.o1.np	Method	AAT/NAP
Start	1595	End	4861
GI	2388574	Score	353
Exons	1595..2022, 2097..2564, 2616..2764, 2846..2947, 3038..3186, 3235..3286, 3943..4118, 4191..4506, 4555..4647, 4805..4861		
GI Descrip.	(AC000098) Strong similarity to Phalaenopsis homeobox protein (gb|U34743). [Arabidopsis thaliana]		

Seq. No.	48927	Seq. ID	OJ990602_12.0421.C6
Gene No.	104221	Strand	+
Start	711	End	5694
Name	OJ990602_12.0421.C6.o2.np	Method	AAT/NAP
Start	2163	End	5685
GI	7446279	Score	397
Exons	2163..2589, 2622..2764, 2846..2947, 3038..3161, 3204..3286, 3943..4131, 4252..4566, 5263..5465, 5500..5685		
GI Descrip.	hypothetical protein F6N23.10 - Arabidopsis thaliana gi|3047106|gb|AAC13617.1| (AF058919) Arabidopsis thaliana homeodomain protein AHDP (SP:P93041) gi|7267412|emb|CAB80882.1| (AL161472) homeodomain protein AHDP [Arabidopsis thaliana]		

Seq. No.	48927	Seq. ID	OJ990602_12.0421.C6
Gene No.	104221	Strand	+
Start	711	End	5694
Name	OJ990602_12.0421.C6.o2.gp	Method	AAT/GAP
Start	3066	End	4140
GI	27862_1.R1084	Score	742
Exons	3066..3286, 3943..4140		
GI Descrip.	'3925363 3.0e-20 (AF067961) homeodomain protein [Malus domestica]'		

Seq. No.	48927	Seq. ID	OJ990602_12.0421.C6
Gene No.	104222	Strand	+
Start	8466	End	9295
Name	OJ990602_12.0421.C6.o3.np	Method	AAT/NAP
Start	8466	End	9295
GI	7523486	Score	181
Exons	8466..8563, 8610..8847, 9257..9295		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48927	Seq. ID	OJ990602_12.0421.C6
Gene No.	104223	Strand	-
Start	1541	End	1645
Name	OJ990602_12.0421.C6.o1.gp	Method	AAT/GAP
Start	1541	End	1645
GI	2428069	Score	112
Exons	1541..1645		

Seq. No.	48927	Seq. ID	OJ990602_12.0421.C6
Gene No.	104224	Strand	-
Start	7793	End	12800
Name	OJ990602_12.0421.C6.o2.gs	Method	GENSCAN
Start	7793	End	12504
GI	none	Score	.55

Exons	7793..7878, 7933..8052, 9366..9506, 11988..12504		
Seq. No.	48927	Seq. ID	OJ990602_12.0421.C6
Gene No.	104224	Strand	-
Start	7793	End	12800
Name	OJ990602_12.0421.C6.o4.np	Method	AAT/NAP
Start	12019	End	12800
GI	7248392	Score	226
Exons	12019..12445, 12592..12800		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		
Seq. No.	48927	Seq. ID	OJ990602_12.0421.C6
Gene No.	104225	Strand	-
Start	13605	End	13714
Name	OJ990602_12.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	1903	End	5400
GI	none	Score	109
Exons	1903..2022, 2804..2950, 2846..2974, 3037..3153, 3038..3160, 3230..3289, 3238..3288, 3940..4077, 4384..4449, 4444..4503, 5263..5400, 5281..5397		
Seq. No.	48927	Seq. ID	OJ990602_12.0421.C6
Gene No.	104225	Strand	-
Start	13605	End	13714
Name	OJ990602_12.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	2798	End	4077
GI	none	Score	83
Exons	2798..2950, 2863..2913, 3037..3165, 3038..3166, 3038..3169, 3233..3292, 3241..3288, 3940..4077		
Seq. No.	48927	Seq. ID	OJ990602_12.0421.C6
Gene No.	104225	Strand	-
Start	13605	End	13714
Name	OJ990602_12.0421.C6.o3.gp	Method	AAT/GAP
Start	13605	End	13714
GI	uC-osflcyp088b12b1	Score	150
Exons	13605..13714		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104226	Strand	+
Start	3976	End	4232
Name	OJ990602_12.0421.C17.o1.gp	Method	AAT/GAP
Start	3976	End	4232
GI	61605_3.R1084	Score	430
Exons	3976..4232		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104227	Strand	+
Start	4147	End	6177
Name	OJ990602_12.0421.C17.o2.gs	Method	GENSCAN
Start	4147	End	6177
GI	none	Score	.91
Exons	4147..4251, 4690..4867, 5510..6177		

Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o1.np	Method	AAT/NAP
Start	2496	End	7934
GI	6630685	Score	3159
Exons	2496..3971, 6870..7090, 7238..7934		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o1.tm	Method	TBLASTX:Maize
Start	2499	End	3170
GI	none	Score	55
Exons	2499..3170, 2525..2605, 2560..2943, 2714..3163		

Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o2.ts	Method	TBLASTX:Soybean
Start	2511	End	3152
GI	none	Score	117
Exons	2511..2744, 2754..3152, 2764..3069		

Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o2.tc	Method	TBLASTX:Cress
Start	2514	End	2972
GI	none	Score	61
Exons	2514..2726, 2566..2733, 2745..2879, 2883..2972		

Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o4.tw	Method	TBLASTX:Wheat
Start	2559	End	3014
GI	none	Score	56
Exons	2559..2735, 2560..2676, 2562..2729, 2757..3014, 2758..2859		

Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o4.ts	Method	TBLASTX:Soybean
Start	3153	End	3390
GI	none	Score	91
Exons	3153..3377, 3223..3390		

Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o5.tm	Method	TBLASTX:Maize
Start	3171	End	3374
GI	none	Score	168

Exons	3171..3374, 3172..3354		
Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o3.tm	Method	TBLASTX:Maize
Start	3395	End	3862
GI	none	Score	483
Exons	3395..3862, 3396..3860		
Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o1.ts	Method	TBLASTX:Soybean
Start	3522	End	7028
GI	5509260	Score	254
Exons	3522..3902, 3522..3755, 3524..3901, 3795..3905, 3899..3985, 3911..3973, 6869..7027, 6869..7027, 6870..7028		
GI Descrip.	-		
Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o1.tw	Method	TBLASTX:Wheat
Start	3536	End	3973
GI	none	Score	228
Exons	3536..3883, 3549..3881, 3550..3885, 3914..3973		
Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o3.tc	Method	TBLASTX:Cress
Start	3641	End	3922
GI	none	Score	83
Exons	3641..3922, 3660..3917		
Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o4.tm	Method	TBLASTX:Maize
Start	3863	End	7061
GI	none	Score	116
Exons	3863..3973, 3864..3980, 3866..3985, 6859..7032, 6869..7054, 6870..7031, 6873..7061		
Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o3.gs	Method	GENSCAN
Start	6996	End	7745
GI	none	Score	.51
Exons	6996..7745		
Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o2.tm	Method	TBLASTX:Maize

Start	7368	End	7934
GI	none	Score	332
Exons	7368..7916, 7373..7930, 7398..7934, 7411..7917		

Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o3.tw	Method	TBLASTX:Wheat
Start	7398	End	7637
GI	none	Score	86
Exons	7398..7547, 7398..7553, 7411..7560, 7548..7637		

Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o3.ts	Method	TBLASTX:Soybean
Start	7419	End	7880
GI	none	Score	40
Exons	7419..7880, 7576..7644, 7675..7860		

Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o1.tc	Method	TBLASTX:Cress
Start	7422	End	7844
GI	none	Score	225
Exons	7422..7844		

Seq. No.	48928	Seq. ID	OJ990602_12.0421.C17
Gene No.	104228	Strand	-
Start	2496	End	7934
Name	OJ990602_12.0421.C17.o2.tw	Method	TBLASTX:Wheat
Start	7656	End	7821
GI	none	Score	83
Exons	7656..7799, 7656..7820, 7672..7821		

Seq. No.	48929	Seq. ID	OJ990602_12.0421.C19
Gene No.	104229	Strand	+
Start	1	End	299
Name	OJ990602_12.0421.C19.o1.np	Method	AAT/NAP
Start	1	End	299
GI	6063554	Score	240
Exons	1..299		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48929	Seq. ID	OJ990602_12.0421.C19
Gene No.	104230	Strand	+
Start	671	End	943
Name	OJ990602_12.0421.C19.o3.gp	Method	AAT/GAP
Start	671	End	943
GI	61605_1.R1084	Score	459
Exons	671..943		
GI Descrip.	'5852170/emb|AL117265.1|OSTI7804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48929	Seq. ID	OJ990602_12.0421.C19
Gene No.	104231	Strand	+
Start	1500	End	1852
Name	OJ990602_12.0421.C19.o1.gs	Method	GENSCAN
Start	1500	End	1833
GI	none	Score	.53
Exons	1500..1833		

Seq. No.	48929	Seq. ID	OJ990602_12.0421.C19
Gene No.	104231	Strand	+
Start	1500	End	1852
Name	OJ990602_12.0421.C19.o2.np	Method	AAT/NAP
Start	1500	End	1852
GI	6983860	Score	456
Exons	1500..1852		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	48930	Seq. ID	OJ990602_12.0421.C22
Gene No.	104232	Strand	+
Start	1009	End	2562
Name	OJ990602_12.0421.C22.o1.gs	Method	GENSCAN
Start	1009	End	2013
GI	none	Score	.56
Exons	1009..1072, 1303..1514, 1897..2013		

Seq. No.	48930	Seq. ID	OJ990602_12.0421.C22
Gene No.	104232	Strand	+
Start	1009	End	2562
Name	OJ990602_12.0421.C22.o1.np	Method	AAT/NAP
Start	1144	End	2562
GI	7387726	Score	84
Exons	1144..1524, 2496..2562		
GI Descrip.	HISTONE H2B gi|7439759|pir||T09722 histone H2B1 - upland cotton gi|2558962|gb|AAB97163.1| (AF025667) histone H2B1 [Gossypium hirsutum]		

Seq. No.	48930	Seq. ID	OJ990602_12.0421.C22
Gene No.	104233	Strand	-
Start	3048	End	3248
Name	OJ990602_12.0421.C22.o2.gs	Method	GENSCAN
Start	3048	End	3248
GI	none	Score	.74
Exons	3048..3248		

Seq. No.	48931	Seq. ID	OJ990602_12.0421.C24
Gene No.	104234	Strand	-
Start	1	End	2451
Name	OJ990602_12.0421.C24.o1.np	Method	AAT/NAP
Start	1	End	1562
GI	7486624	Score	488
Exons	1..40, 755..1291, 1455..1562		
GI Descrip.	hypothetical protein F7N22.3 - Arabidopsis thaliana gi|3047064|gb|AAC13578.1| (AF058825) contains similarity to peptidyl-prolyl cis-trans isomerase (Pfam: pro_isomerase.hmm, score: 23.86 and 28.41 [Arabidopsis thaliana]		

Seq. No.	48931	Seq. ID	OJ990602_12.0421.C24
Gene No.	104234	Strand	-
Start	1	End	2451
Name	OJ990602_12.0421.C24.o1.tm	Method	TBLASTX:Maize
Start	775	End	1097
GI	none	Score	296
Exons	775..1077, 776..1078, 784..1083, 786..1097		

Seq. No.	48931	Seq. ID	OJ990602_12.0421.C24
Gene No.	104234	Strand	-
Start	1	End	2451
Name	OJ990602_12.0421.C24.o1.tc	Method	TBLASTX:Cress
Start	837	End	1287
GI	none	Score	82
Exons	837..929, 1020..1139, 1092..1193, 1099..1188, 1221..1286, 1222..1287		

Seq. No.	48931	Seq. ID	OJ990602_12.0421.C24
Gene No.	104234	Strand	-
Start	1	End	2451
Name	OJ990602_12.0421.C24.o1.gp	Method	AAT/GAP
Start	857	End	2451
GI	8013_1.R1084	Score	1752
Exons	857..1620, 2310..2451		
GI Descrip.	'3047064 3.0e-39 (AF058825) contains similarity to peptidyl-prolyl cis-trans isomerase (Pfam: pro_isomerase.hmm, score: 23.86 and 28.41 [Arabidopsis thaliana]'		

Seq. No.	48931	Seq. ID	OJ990602_12.0421.C24
Gene No.	104234	Strand	-
Start	1	End	2451
Name	OJ990602_12.0421.C24.o2.tm	Method	TBLASTX:Maize
Start	1197	End	1455
GI	none	Score	157
Exons	1197..1310, 1199..1447, 1201..1455, 1256..1330, 1309..1446		

Seq. No.	48932	Seq. ID	OJ990602_12.0421.C26
Gene No.	104235	Strand	-
Start	1	End	711
Name	OJ990602_12.0421.C26.o1.np	Method	AAT/NAP
Start	1	End	711
GI	7489737	Score	148
Exons	1..277, 347..711		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi|3645898|gb|AAC49501.1| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	48932	Seq. ID	OJ990602_12.0421.C26
Gene No.	104235	Strand	-
Start	1	End	711
Name	OJ990602_12.0421.C26.o1.gs	Method	GENSCAN
Start	35	End	700
GI	none	Score	.5
Exons	35..700		

Seq. No.	48933	Seq. ID	OJ990602_12.0421.C27
Gene No.	104236	Strand	+

Start	252	End	4012
Name	OJ990602_12.0421.C27.o1.gs	Method	GENSCAN
Start	252	End	4012
GI	none	Score	.73
Exons	252..493, 795..903, 3212..3350, 3975..4012		

Seq. No.	48933	Seq. ID	OJ990602_12.0421.C27
Gene No.	104237	Strand	+
Start	7482	End	9198
Name	OJ990602_12.0421.C27.o2.np	Method	AAT/NAP
Start	7482	End	9198
GI	6063554	Score	328
Exons	7482..7701, 8361..8389, 9025..9198		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48933	Seq. ID	OJ990602_12.0421.C27
Gene No.	104238	Strand	-
Start	1	End	515
Name	OJ990602_12.0421.C27.o1.np	Method	AAT/NAP
Start	1	End	515
GI	7489737	Score	327
Exons	1..515		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi|3645898|gb|AAC49501.1| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	48933	Seq. ID	OJ990602_12.0421.C27
Gene No.	104239	Strand	-
Start	4480	End	6058
Name	OJ990602_12.0421.C27.o1.tm	Method	TBLASTX:Maize
Start	57	End	299
GI	none	Score	79
Exons	57..248, 57..299		

Seq. No.	48933	Seq. ID	OJ990602_12.0421.C27
Gene No.	104239	Strand	-
Start	4480	End	6058
Name	OJ990602_12.0421.C27.o2.gs	Method	GENSCAN
Start	4480	End	6058
GI	none	Score	.77
Exons	4480..5266, 5478..6058		

Seq. No.	48934	Seq. ID	OJ990602_12.0421.C28
Gene No.	104240	Strand	+
Start	1	End	128
Name	OJ990602_12.0421.C28.o1.np	Method	AAT/NAP
Start	1	End	128
GI	5042454	Score	71
Exons	1..128		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48934	Seq. ID	OJ990602_12.0421.C28
Gene No.	104241	Strand	+
Start	178	End	584
Name	OJ990602_12.0421.C28.o1.gs	Method	GENSCAN

Start	178	End	584
GI	none	Score	.55
Exons	178..282, 356..399, 467..584		

Seq. No.	48934	Seq. ID	OJ990602_12.0421.C28
Gene No.	104242	Strand	+
Start	4886	End	9416
Name	OJ990602_12.0421.C28.o3.gs	Method	GENSCAN
Start	4886	End	9416
GI	none	Score	.43
Exons	4886..5082, 5466..5538, 5680..5727, 6226..6294, 8065..8107, 8321..8346, 8677..8990, 9287..9416		

Seq. No.	48934	Seq. ID	OJ990602_12.0421.C28
Gene No.	104243	Strand	+
Start	10452	End	11913
Name	OJ990602_12.0421.C28.o4.gs	Method	GENSCAN
Start	10452	End	11913
GI	none	Score	.86
Exons	10452..10589, 11881..11913		

Seq. No.	48934	Seq. ID	OJ990602_12.0421.C28
Gene No.	104244	Strand	+
Start	14181	End	16856
Name	OJ990602_12.0421.C28.o3.np	Method	AAT/NAP
Start	14181	End	16856
GI	5295955	Score	1000
Exons	14181..14250, 14793..14907, 15588..15717, 15806..16103, 16183..16233, 16273..16856		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	48934	Seq. ID	OJ990602_12.0421.C28
Gene No.	104245	Strand	+
Start	18716	End	18789
Name	OJ990602_12.0421.C28.o3.gp	Method	AAT/GAP
Start	18716	End	18789
GI	4879016	Score	144
Exons	18716..18789		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	48934	Seq. ID	OJ990602_12.0421.C28
Gene No.	104246	Strand	-
Start	1205	End	4496
Name	OJ990602_12.0421.C28.o2.gs	Method	GENSCAN
Start	1205	End	4496
GI	none	Score	.59
Exons	1205..2305, 2357..3059, 3235..4496		

Seq. No.	48934	Seq. ID	OJ990602_12.0421.C28
Gene No.	104246	Strand	-
Start	1205	End	4496
Name	OJ990602_12.0421.C28.o2.np	Method	AAT/NAP
Start	1208	End	4496
GI	6907089	Score	4851

Exons	1208..3140, 3235..4496		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	48934	Seq. ID	OJ990602_12.0421.C28
Gene No.	104247	Strand	-
Start	11343	End	18026
Name	OJ990602_12.0421.C28.o2.gp	Method	AAT/GAP
Start	11343	End	13494
GI	25275_2.R1084	Score	958
Exons	11343..11473, 11835..11941, 12793..12885, 13167..13346, 13455..13494		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	48934	Seq. ID	OJ990602_12.0421.C28
Gene No.	104247	Strand	-
Start	11343	End	18026
Name	OJ990602_12.0421.C28.o5.gs	Method	GENSCAN
Start	12972	End	18026
GI	none	Score	.67
Exons	12972..13135, 13405..13506, 15716..15807, 16021..16104, 16265..16355, 16653..16687, 17258..17385, 18024..18026		
Seq. No.	48935	Seq. ID	OJ990602_12.0421.C29
Gene No.	104248	Strand	+
Start	639	End	902
Name	OJ990602_12.0421.C29.o1.gs	Method	GENSCAN
Start	639	End	902
GI	none	Score	.7
Exons	639..902		
Seq. No.	48935	Seq. ID	OJ990602_12.0421.C29
Gene No.	104249	Strand	+
Start	4857	End	7189
Name	OJ990602_12.0421.C29.o2.gs	Method	GENSCAN
Start	4857	End	7189
GI	none	Score	.46
Exons	4857..4995, 5028..5237, 6969..7189		
Seq. No.	48935	Seq. ID	OJ990602_12.0421.C29
Gene No.	104249	Strand	+
Start	4857	End	7189
Name	OJ990602_12.0421.C29.o1.np	Method	AAT/NAP
Start	5593	End	5993
GI	7489553	Score	342
Exons	5593..5993		
GI Descrip.	probable reverse transcriptase - rice (fragment) gi|2462640|emb|CAA73800.1| (Y13370) reverse transcriptase [Oryza sativa]		
Seq. No.	48935	Seq. ID	OJ990602_12.0421.C29
Gene No.	104250	Strand	+
Start	8633	End	8915
Name	OJ990602_12.0421.C29.o4.np	Method	AAT/NAP
Start	8633	End	8915
GI	5902448	Score	442

Exons	8633..8915		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		
Seq. No.	48935	Seq. ID	OJ990602_12.0421.C29
Gene No.	104251	Strand	-
Start	4637	End	5073
Name	OJ990602_12.0421.C29.o2.gp	Method	AAT/GAP
Start	4637	End	5073
GI	LIB3432-049-P1-K1-G12	Score	823
Exons	4637..5073		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	48935	Seq. ID	OJ990602_12.0421.C29
Gene No.	104252	Strand	-
Start	8387	End	8475
Name	OJ990602_12.0421.C29.o2.tm	Method	TBLASTX:Maize
Start	5712	End	6401
GI	none	Score	90
Exons	5712..5879, 5786..5887, 5928..6047, 5963..6046, 6090..6131, 6165..6401		
Seq. No.	48935	Seq. ID	OJ990602_12.0421.C29
Gene No.	104252	Strand	-
Start	8387	End	8475
Name	OJ990602_12.0421.C29.o1.tm	Method	TBLASTX:Maize
Start	6495	End	6886
GI	none	Score	112
Exons	6495..6596, 6590..6709, 6607..6699, 6701..6775, 6718..6774, 6775..6855, 6776..6886		
Seq. No.	48935	Seq. ID	OJ990602_12.0421.C29
Gene No.	104252	Strand	-
Start	8387	End	8475
Name	OJ990602_12.0421.C29.o1.tw	Method	TBLASTX:Wheat
Start	6589	End	6829
GI	none	Score	236
Exons	6589..6816, 6590..6829, 6617..6763		
Seq. No.	48935	Seq. ID	OJ990602_12.0421.C29
Gene No.	104252	Strand	-
Start	8387	End	8475
Name	OJ990602_12.0421.C29.o3.tm	Method	TBLASTX:Maize
Start	7049	End	7446
GI	none	Score	59
Exons	7049..7120, 7118..7177, 7177..7446		
Seq. No.	48935	Seq. ID	OJ990602_12.0421.C29
Gene No.	104252	Strand	-
Start	8387	End	8475
Name	OJ990602_12.0421.C29.o3.gs	Method	GENSCAN
Start	8387	End	8475
GI	none	Score	.45
Exons	8387..8475		
Seq. No.	48936	Seq. ID	OJ990602_12.0421.C30
Gene No.	104253	Strand	+

Start	1	End	1613
Name	OJ990602_12.0421.C30.o1.np	Method	AAT/NAP
Start	1	End	1613
GI	6691716	Score	1268
Exons	1..619, 809..1004, 1087..1187, 1260..1445, 1523..1613		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48936	Seq. ID	OJ990602_12.0421.C30
Gene No.	104253	Strand	+
Start	1	End	1613
Name	OJ990602_12.0421.C30.o1.gs	Method	GENSCAN
Start	294	End	1445
GI	none	Score	.84
Exons	294..568, 784..1004, 1087..1445		

Seq. No.	48937	Seq. ID	OJ990602_12.0421.C31
Gene No.	104254	Strand	+
Start	1	End	1145
Name	OJ990602_12.0421.C31.o1.np	Method	AAT/NAP
Start	1	End	1145
GI	6691716	Score	922
Exons	1..170, 259..354, 502..622, 697..1145		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48937	Seq. ID	OJ990602_12.0421.C31
Gene No.	104254	Strand	+
Start	1	End	1145
Name	OJ990602_12.0421.C31.o1.gs	Method	GENSCAN
Start	74	End	1085
GI	none	Score	.57
Exons	74..121, 499..622, 697..1085		

Seq. No.	48937	Seq. ID	OJ990602_12.0421.C31
Gene No.	104255	Strand	-
Start	1478	End	3402
Name	OJ990602_12.0421.C31.o2.np	Method	AAT/NAP
Start	1478	End	3402
GI	5902445	Score	2818
Exons	1478..3402		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	48937	Seq. ID	OJ990602_12.0421.C31
Gene No.	104255	Strand	-
Start	1478	End	3402
Name	OJ990602_12.0421.C31.o2.tw	Method	TBLASTX:Wheat
Start	1505	End	2099
GI	none	Score	88
Exons	1505..1588, 1641..2099, 1816..1944		

Seq. No.	48937	Seq. ID	OJ990602_12.0421.C31
Gene No.	104255	Strand	-
Start	1478	End	3402
Name	OJ990602_12.0421.C31.o2.tm	Method	TBLASTX:Maize

Start	1638	End	1871
GI	none	Score	189
Exons	1638..1871		

Seq. No.	48937	Seq. ID	OJ990602_12.0421.C31
Gene No.	104255	Strand	-
Start	1478	End	3402
Name	OJ990602_12.0421.C31.o1.tw	Method	TBLASTX:Wheat
Start	2211	End	2600
GI	none	Score	56
Exons	2211..2258, 2213..2599, 2222..2398, 2289..2600		

Seq. No.	48937	Seq. ID	OJ990602_12.0421.C31
Gene No.	104255	Strand	-
Start	1478	End	3402
Name	OJ990602_12.0421.C31.o1.tm	Method	TBLASTX:Maize
Start	2243	End	2606
GI	none	Score	255
Exons	2243..2290, 2282..2605, 2295..2606		

Seq. No.	48937	Seq. ID	OJ990602_12.0421.C31
Gene No.	104255	Strand	-
Start	1478	End	3402
Name	OJ990602_12.0421.C31.o3.tw	Method	TBLASTX:Wheat
Start	2837	End	3244
GI	none	Score	158
Exons	2837..3244, 2982..3200		

Seq. No.	48937	Seq. ID	OJ990602_12.0421.C31
Gene No.	104255	Strand	-
Start	1478	End	3402
Name	OJ990602_12.0421.C31.o1.ts	Method	TBLASTX:Soybean
Start	2961	End	3263
GI	none	Score	108
Exons	2961..3263, 2963..3205		

Seq. No.	48938	Seq. ID	OJ990602_12.0421.C32
Gene No.	104256	Strand	+
Start	341	End	734
Name	OJ990602_12.0421.C32.o1.gs	Method	GENSCAN
Start	341	End	692
GI	none	Score	.42
Exons	341..393, 549..692		

Seq. No.	48938	Seq. ID	OJ990602_12.0421.C32
Gene No.	104256	Strand	+
Start	341	End	734
Name	OJ990602_12.0421.C32.o1.np	Method	AAT/NAP
Start	476	End	734
GI	7523486	Score	157
Exons	476..573, 620..734		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48939	Seq. ID	OJ990922_13.0421.C1
Gene No.	104257	Strand	+
Start	103	End	514
Name	OJ990922_13.0421.C1.o1.gs	Method	GENSCAN

Start	103	End	514
GI	none	Score	.55
Exons	103..119, 422..514		

Seq. No.	48940	Seq. ID	OJ990922_13.0421.C3
Gene No.	104258	Strand	-
Start	30	End	904
Name	OJ990922_13.0421.C3.o1.gs	Method	GENSCAN
Start	30	End	686
GI	none	Score	.57
Exons	30..686		

Seq. No.	48940	Seq. ID	OJ990922_13.0421.C3
Gene No.	104258	Strand	-
Start	30	End	904
Name	OJ990922_13.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	30	End	797
GI	none	Score	451
Exons	30..731, 37..732, 728..787, 729..797		

Seq. No.	48940	Seq. ID	OJ990922_13.0421.C3
Gene No.	104258	Strand	-
Start	30	End	904
Name	OJ990922_13.0421.C3.o1.np	Method	AAT/NAP
Start	33	End	904
GI	6409176	Score	733
Exons	33..904		
GI Descrip.	(AF140606) nitrate transporter [Oryza sativa]		

Seq. No.	48940	Seq. ID	OJ990922_13.0421.C3
Gene No.	104258	Strand	-
Start	30	End	904
Name	OJ990922_13.0421.C3.o1.tc	Method	TBLASTX:Cress
Start	33	End	794
GI	none	Score	375
Exons	33..731, 34..732, 702..794, 728..793		

Seq. No.	48940	Seq. ID	OJ990922_13.0421.C3
Gene No.	104258	Strand	-
Start	30	End	904
Name	OJ990922_13.0421.C3.o1.ts	Method	TBLASTX:Soybean
Start	66	End	793
GI	none	Score	82
Exons	66..689, 67..495, 728..793		

Seq. No.	48940	Seq. ID	OJ990922_13.0421.C3
Gene No.	104258	Strand	-
Start	30	End	904
Name	OJ990922_13.0421.C3.o1.tw	Method	TBLASTX:Wheat
Start	69	End	371
GI	none	Score	186
Exons	69..371, 100..363, 258..368		

Seq. No.	48941	Seq. ID	OJ990922_13.0421.C4
Gene No.	104259	Strand	-
Start	573	End	642
Name	OJ990922_13.0421.C4.o1.gs	Method	GENSCAN

Start	573	End	642
GI	none	Score	.84
Exons	573..642		

Seq. No.	48942	Seq. ID	OJ990922_13.0421.C5
Gene No.	104260	Strand	+
Start	1959	End	5139
Name	OJ990922_13.0421.C5.o1.gs	Method	GENSCAN
Start	1959	End	4676
GI	none	Score	.53
Exons	1959..2064, 2576..2683, 3133..3306, 3392..3924, 4604..4676		

Seq. No.	48942	Seq. ID	OJ990922_13.0421.C5
Gene No.	104260	Strand	+
Start	1959	End	5139
Name	OJ990922_13.0421.C5.o2.np	Method	AAT/NAP
Start	2833	End	5139
GI	4102839	Score	678
Exons	2833..2981, 3089..3306, 3392..3924, 5102..5139		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	48942	Seq. ID	OJ990922_13.0421.C5
Gene No.	104261	Strand	-
Start	750	End	1615
Name	OJ990922_13.0421.C5.o1.np	Method	AAT/NAP
Start	750	End	1615
GI	7160202	Score	142
Exons	750..1111, 1323..1615		
GI Descrip.	(AJ272528) hypothetical protein [Scenedesmus obliquus]		

Seq. No.	48942	Seq. ID	OJ990922_13.0421.C5
Gene No.	104262	Strand	
Start	2870	End	3871
Name	OJ990922_13.0421.C5.o1.tc	Method	TBLASTX:Cress
Start	2870	End	3871
GI	none	Score	103
Exons	2870..2983, 3085..3306, 3132..3263, 3466..3531, 3488..3580, 3520..3720, 3524..3871, 3659..3868		

Seq. No.	48942	Seq. ID	OJ990922_13.0421.C5
Gene No.	104262	Strand	
Start	2870	End	3871
Name	OJ990922_13.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	2878	End	3231
GI	none	Score	110
Exons	2878..2991, 2879..2983, 3085..3231, 3087..3227		

Seq. No.	48942	Seq. ID	OJ990922_13.0421.C5
Gene No.	104262	Strand	
Start	2870	End	3871
Name	OJ990922_13.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	2894	End	3718
GI	none	Score	92
Exons	2894..2983, 3079..3306, 3132..3278, 3181..3315, 3392..3463, 3472..3510, 3520..3717, 3524..3718		

Seq. No.	48942	Seq. ID	OJ990922_13.0421.C5

Gene No.	104262	Strand	
Start	2870	End	3871
Name	OJ990922_13.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	3085	End	3697
GI	none	Score	251
Exons	3085..3321, 3096..3317, 3392..3697, 3459..3671, 3520..3693		

Seq. No.	48943	Seq. ID	OJ990922_13.0421.C7
Gene No.	104263	Strand	+
Start	3774	End	3887
Name	OJ990922_13.0421.C7.o1.np	Method	AAT/NAP
Start	3774	End	3887
GI	6721547	Score	93
Exons	3774..3887		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	48944	Seq. ID	OJ990922_13.0421.C8
Gene No.	104264	Strand	+
Start	121	End	667
Name	OJ990922_13.0421.C8.o1.gs	Method	GENSCAN
Start	121	End	667
GI	none	Score	.53
Exons	121..194, 303..425, 574..667		

Seq. No.	48944	Seq. ID	OJ990922_13.0421.C8
Gene No.	104265	Strand	-
Start	890	End	1352
Name	OJ990922_13.0421.C8.o2.gs	Method	GENSCAN
Start	890	End	1352
GI	none	Score	.61
Exons	890..967, 1182..1352		

Seq. No.	48944	Seq. ID	OJ990922_13.0421.C8
Gene No.	104266	Strand	-
Start	1299	End	1600
Name	OJ990922_13.0421.C8.o1.np	Method	AAT/NAP
Start	1299	End	1600
GI	5042454	Score	71
Exons	1299..1352, 1554..1600		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48945	Seq. ID	OJ990922_13.0421.C9
Gene No.	104267	Strand	+
Start	1	End	1394
Name	OJ990922_13.0421.C9.o1.np	Method	AAT/NAP
Start	1	End	1394
GI	7228457	Score	1002
Exons	1..29, 548..1394		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48945	Seq. ID	OJ990922_13.0421.C9
Gene No.	104267	Strand	+
Start	1	End	1394
Name	OJ990922_13.0421.C9.o1.gs	Method	GENSCAN
Start	585	End	1381

GI	none	Score	.78
Exons	585..1381		

Seq. No.	48945	Seq. ID	OJ990922_13.0421.C9
Gene No.	104268	Strand	-
Start	1554	End	1677
Name	OJ990922_13.0421.C9.o2.np	Method	AAT/NAP
Start	1554	End	1677
GI	7523512	Score	147
Exons	1554..1677		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48945	Seq. ID	OJ990922_13.0421.C9
Gene No.	104269	Strand	-
Start	1730	End	1998
Name	OJ990922_13.0421.C9.o1.tw	Method	TBLASTX:Wheat
Start	973	End	1240
GI	none	Score	260
Exons	973..1236, 974..1240		

Seq. No.	48945	Seq. ID	OJ990922_13.0421.C9
Gene No.	104269	Strand	-
Start	1730	End	1998
Name	OJ990922_13.0421.C9.o3.np	Method	AAT/NAP
Start	1730	End	1998
GI	5922623	Score	57
Exons	1730..1805, 1973..1998		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48946	Seq. ID	OJ990922_13.0421.C10
Gene No.	104270	Strand	+
Start	1	End	156
Name	OJ990922_13.0421.C10.o1.np	Method	AAT/NAP
Start	1	End	156
GI	5042454	Score	65
Exons	1..26, 103..156		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48946	Seq. ID	OJ990922_13.0421.C10
Gene No.	104271	Strand	+
Start	209	End	592
Name	OJ990922_13.0421.C10.o1.gs	Method	GENSCAN
Start	209	End	592
GI	none	Score	.74
Exons	209..592		

Seq. No.	48946	Seq. ID	OJ990922_13.0421.C10
Gene No.	104272	Strand	+
Start	874	End	3843
Name	OJ990922_13.0421.C10.o2.np	Method	AAT/NAP
Start	874	End	3843
GI	6721547	Score	85
Exons	874..965, 3810..3843		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	48946	Seq. ID	OJ990922_13.0421.C10
Gene No.	104272	Strand	+
Start	874	End	3843
Name	OJ990922_13.0421.C10.o3.np	Method	AAT/NAP
Start	910	End	2786
GI	2160144	Score	165
Exons	910..953, 2154..2259, 2311..2786		
GI Descrip.	(AC000375) Strong similarity to Arabidopsis oligopeptide transporter (gb|X77503). [Arabidopsis thaliana]		

Seq. No.	48946	Seq. ID	OJ990922_13.0421.C10
Gene No.	104272	Strand	+
Start	874	End	3843
Name	OJ990922_13.0421.C10.o4.np	Method	AAT/NAP
Start	1963	End	2786
GI	6822060	Score	141
Exons	1963..2786		
GI Descrip.	(AL132957) peptide transport-like protein [Arabidopsis thaliana]		

Seq. No.	48946	Seq. ID	OJ990922_13.0421.C10
Gene No.	104273	Strand	-
Start	2574	End	3245
Name	OJ990922_13.0421.C10.o2.gs	Method	GENSCAN
Start	2574	End	3245
GI	none	Score	.42
Exons	2574..2734, 3053..3245		

Seq. No.	48947	Seq. ID	OJ990922_13.0421.C11
Gene No.	104274	Strand	+
Start	1106	End	1414
Name	OJ990922_13.0421.C11.o1.np	Method	AAT/NAP
Start	1106	End	1414
GI	7523517	Score	302
Exons	1106..1414		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48947	Seq. ID	OJ990922_13.0421.C11
Gene No.	104275	Strand	-
Start	1145	End	1261
Name	OJ990922_13.0421.C11.o1.gs	Method	GENSCAN
Start	1145	End	1261
GI	none	Score	.8
Exons	1145..1261		

Seq. No.	48948	Seq. ID	OJ990922_13.0421.C12
Gene No.	104276	Strand	+
Start	61	End	1058
Name	OJ990922_13.0421.C12.o1.gs	Method	GENSCAN
Start	61	End	1058
GI	none	Score	.69
Exons	61..386, 489..1058		

Seq. No.	48949	Seq. ID	OJ990922_13.0421.C13
Gene No.	104277	Strand	+
Start	1	End	1930
Name	OJ990922_13.0421.C13.o1.np	Method	AAT/NAP
Start	1	End	1930

GI	7228457	Score	1331
Exons	1..158, 301..988, 1043..1930		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48949	Seq. ID	OJ990922_13.0421.C13
Gene No.	104277	Strand	+
Start	1	End	1930
Name	OJ990922_13.0421.C13.o2.tw	Method	TBLASTX:Wheat
Start	487	End	942
GI	none	Score	135
Exons	487..669, 495..668, 706..942, 708..932		

Seq. No.	48949	Seq. ID	OJ990922_13.0421.C13
Gene No.	104277	Strand	+
Start	1	End	1930
Name	OJ990922_13.0421.C13.o1.tw	Method	TBLASTX:Wheat
Start	1134	End	1590
GI	none	Score	530
Exons	1134..1589, 1135..1590		

Seq. No.	48949	Seq. ID	OJ990922_13.0421.C13
Gene No.	104277	Strand	+
Start	1	End	1930
Name	OJ990922_13.0421.C13.o2.ts	Method	TBLASTX:Soybean
Start	1174	End	1539
GI	none	Score	92
Exons	1174..1389, 1405..1539		

Seq. No.	48949	Seq. ID	OJ990922_13.0421.C13
Gene No.	104277	Strand	+
Start	1	End	1930
Name	OJ990922_13.0421.C13.o1.tm	Method	TBLASTX:Maize
Start	1270	End	1620
GI	none	Score	396
Exons	1270..1620, 1299..1619		

Seq. No.	48949	Seq. ID	OJ990922_13.0421.C13
Gene No.	104277	Strand	+
Start	1	End	1930
Name	OJ990922_13.0421.C13.o3.tw	Method	TBLASTX:Wheat
Start	1590	End	1908
GI	none	Score	335
Exons	1590..1649, 1591..1908, 1758..1907		

Seq. No.	48949	Seq. ID	OJ990922_13.0421.C13
Gene No.	104277	Strand	+
Start	1	End	1930
Name	OJ990922_13.0421.C13.o2.tm	Method	TBLASTX:Maize
Start	1624	End	1929
GI	none	Score	256
Exons	1624..1929, 1690..1917, 1746..1928		

Seq. No.	48949	Seq. ID	OJ990922_13.0421.C13
Gene No.	104277	Strand	+
Start	1	End	1930

Name	OJ990922_13.0421.C13.o1.ts	Method	TBLASTX:Soybean
Start	1681	End	1917
GI	none	Score	214
Exons	1681..1917, 1818..1916		

Seq. No.	48950	Seq. ID	OJ990922_13.0421.C14
Gene No.	104278	Strand	+
Start	1	End	1854
Name	OJ990922_13.0421.C14.o1.np	Method	AAT/NAP
Start	1	End	1854
GI	5902445	Score	1492
Exons	1..571, 611..1854		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	48950	Seq. ID	OJ990922_13.0421.C14
Gene No.	104278	Strand	+
Start	1	End	1854
Name	OJ990922_13.0421.C14.o1.gs	Method	GENSCAN
Start	66	End	1692
GI	none	Score	.92
Exons	66..150, 266..422, 469..925, 1051..1692		

Seq. No.	48950	Seq. ID	OJ990922_13.0421.C14
Gene No.	104279	Strand	-
Start	2428	End	4551
Name	OJ990922_13.0421.C14.o1.tm	Method	TBLASTX:Maize
Start	731	End	1035
GI	none	Score	96
Exons	731..832, 822..1034, 823..1035		

Seq. No.	48950	Seq. ID	OJ990922_13.0421.C14
Gene No.	104279	Strand	-
Start	2428	End	4551
Name	OJ990922_13.0421.C14.o2.tw	Method	TBLASTX:Wheat
Start	861	End	1215
GI	none	Score	341
Exons	861..917, 862..1215, 972..1205		

Seq. No.	48950	Seq. ID	OJ990922_13.0421.C14
Gene No.	104279	Strand	-
Start	2428	End	4551
Name	OJ990922_13.0421.C14.o1.tw	Method	TBLASTX:Wheat
Start	1237	End	1845
GI	none	Score	353
Exons	1237..1689, 1386..1493, 1714..1845, 1719..1844		

Seq. No.	48950	Seq. ID	OJ990922_13.0421.C14
Gene No.	104279	Strand	-
Start	2428	End	4551
Name	OJ990922_13.0421.C14.o2.tm	Method	TBLASTX:Maize
Start	1459	End	1722
GI	none	Score	181
Exons	1459..1722		

Seq. No.	48950	Seq. ID	OJ990922_13.0421.C14
Gene No.	104279	Strand	-
Start	2428	End	4551

Name	OJ990922_13.0421.C14.o2.gs	Method	GENSCAN
Start	2428	End	4484
GI	none	Score	.67
Exons	2428..2963, 3023..3168, 3311..3747, 3766..4075, 4158..4216, 4287..4484		

Seq. No.	48950	Seq. ID	OJ990922_13.0421.C14
Gene No.	104279	Strand	-
Start	2428	End	4551
Name	OJ990922_13.0421.C14.o2.np	Method	AAT/NAP
Start	3310	End	4551
GI	6721561	Score	1138
Exons	3310..4075, 4158..4216, 4287..4551		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48951	Seq. ID	OJ990922_13.0421.C15
Gene No.	104280	Strand	+
Start	683	End	1179
Name	OJ990922_13.0421.C15.o2.np	Method	AAT/NAP
Start	683	End	1179
GI	7523517	Score	257
Exons	683..991, 1142..1179		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48951	Seq. ID	OJ990922_13.0421.C15
Gene No.	104281	Strand	+
Start	2728	End	3453
Name	OJ990922_13.0421.C15.o3.np	Method	AAT/NAP
Start	2728	End	3453
GI	4105794	Score	182
Exons	2728..2791, 2959..3030, 3158..3453		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		

Seq. No.	48951	Seq. ID	OJ990922_13.0421.C15
Gene No.	104282	Strand	-
Start	1	End	237
Name	OJ990922_13.0421.C15.o1.np	Method	AAT/NAP
Start	1	End	237
GI	6721558	Score	128
Exons	1..237		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	48951	Seq. ID	OJ990922_13.0421.C15
Gene No.	104283	Strand	-
Start	138	End	496
Name	OJ990922_13.0421.C15.o1.gs	Method	GENSCAN
Start	138	End	496
GI	none	Score	.84
Exons	138..496		

Seq. No.	48952	Seq. ID	OJ990922_13.0421.C16

Gene No.	104284	Strand	-
Start	1579	End	3642
Name	OJ990922_13.0421.C16.o1.gs	Method	GENSCAN
Start	1579	End	3642
GI	none	Score	.98
Exons	1579..2741, 3459..3642		

Seq. No.	48952	Seq. ID	OJ990922_13.0421.C16
Gene No.	104284	Strand	-
Start	1579	End	3642
Name	OJ990922_13.0421.C16.o1.tc	Method	TBLASTX:Cress
Start	1780	End	2568
GI	none	Score	81
Exons	1780..1890, 1972..2112, 1994..2110, 2105..2269, 2107..2292, 2317..2568, 2327..2461		

Seq. No.	48952	Seq. ID	OJ990922_13.0421.C16
Gene No.	104284	Strand	-
Start	1579	End	3642
Name	OJ990922_13.0421.C16.o1.tm	Method	TBLASTX:Maize
Start	1786	End	2664
GI	none	Score	66
Exons	1786..1887, 1987..2109, 1994..2113, 2110..2289, 2126..2200, 2311..2574, 2333..2503, 2632..2664		

Seq. No.	48952	Seq. ID	OJ990922_13.0421.C16
Gene No.	104284	Strand	-
Start	1579	End	3642
Name	OJ990922_13.0421.C16.o1.ts	Method	TBLASTX:Soybean
Start	1972	End	2679
GI	none	Score	77
Exons	1972..2103, 1994..2131, 2113..2298, 2129..2269, 2299..2460, 2321..2461, 2497..2574, 2629..2679		

Seq. No.	48952	Seq. ID	OJ990922_13.0421.C16
Gene No.	104284	Strand	-
Start	1579	End	3642
Name	OJ990922_13.0421.C16.o1.tw	Method	TBLASTX:Wheat
Start	1972	End	2368
GI	none	Score	75
Exons	1972..2097, 1973..2101, 2125..2280, 2132..2269, 2272..2367, 2306..2368		

Seq. No.	48952	Seq. ID	OJ990922_13.0421.C16
Gene No.	104284	Strand	-
Start	1579	End	3642
Name	OJ990922_13.0421.C16.o1.np	Method	AAT/NAP
Start	2008	End	2544
GI	7243648	Score	730
Exons	2008..2544		
GI Descrip.	(AF230502) serine/threonine protein kinase [Oryza sativa subsp. japonica]		

Seq. No.	48953	Seq. ID	OJ990922_13.0421.C17
Gene No.	104285	Strand	+
Start	170	End	1113
Name	OJ990922_13.0421.C17.o1.gs	Method	GENSCAN

Start	170	End	1113
GI	none	Score	.43
Exons	170..261, 508..655, 1037..1113		

Seq. No.	48954	Seq. ID	OJ990922_13.0421.C18
Gene No.	104286	Strand	-
Start	34	End	713
Name	OJ990922_13.0421.C18.o1.gs	Method	GENSCAN
Start	34	End	713
GI	none	Score	1
Exons	34..713		

Seq. No.	48955	Seq. ID	OJ990922_13.0421.C19
Gene No.	104287	Strand	-
Start	420	End	1829
Name	OJ990922_13.0421.C19.o1.gs	Method	GENSCAN
Start	420	End	1829
GI	none	Score	.56
Exons	420..561, 685..889, 914..982, 1341..1424, 1739..1829		

Seq. No.	48956	Seq. ID	OJ990922_13.0421.C21
Gene No.	104288	Strand	-
Start	960	End	1393
Name	OJ990922_13.0421.C21.o1.tw	Method	TBLASTX:Wheat
Start	942	End	1307
GI	none	Score	58
Exons	942..1091, 1009..1092, 1116..1307, 1117..1299, 1194..1304		

Seq. No.	48956	Seq. ID	OJ990922_13.0421.C21
Gene No.	104288	Strand	-
Start	960	End	1393
Name	OJ990922_13.0421.C21.o1.gs	Method	GENSCAN
Start	960	End	1335
GI	none	Score	.73
Exons	960..1335		

Seq. No.	48956	Seq. ID	OJ990922_13.0421.C21
Gene No.	104288	Strand	-
Start	960	End	1393
Name	OJ990922_13.0421.C21.o1.np	Method	AAT/NAP
Start	966	End	1393
GI	6409176	Score	321
Exons	966..1393		
GI Descrip.	(AF140606) nitrate transporter [Oryza sativa]		

Seq. No.	48956	Seq. ID	OJ990922_13.0421.C21
Gene No.	104288	Strand	-
Start	960	End	1393
Name	OJ990922_13.0421.C21.o1.ts	Method	TBLASTX:Soybean
Start	975	End	1313
GI	none	Score	58
Exons	975..1313, 1161..1304		

Seq. No.	48956	Seq. ID	OJ990922_13.0421.C21
Gene No.	104288	Strand	-
Start	960	End	1393
Name	OJ990922_13.0421.C21.o1.tc	Method	TBLASTX:Cress

Start	981	End	1316
GI	none	Score	67
Exons	981..1091, 1116..1316, 1198..1311		

Seq. No.	48957	Seq. ID	OJ990922_13.0421.C22
Gene No.	104289	Strand	-
Start	1	End	2151
Name	OJ990922_13.0421.C22.o1.np	Method	AAT/NAP
Start	1	End	1130
GI	4102839	Score	722
Exons	1..587, 691..884, 986..1130		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	48957	Seq. ID	OJ990922_13.0421.C22
Gene No.	104289	Strand	-
Start	1	End	2151
Name	OJ990922_13.0421.C22.o1.gs	Method	GENSCAN
Start	28	End	2151
GI	none	Score	.46
Exons	28..563, 667..916, 2099..2151		

Seq. No.	48957	Seq. ID	OJ990922_13.0421.C22
Gene No.	104290	Strand	-
Start	4078	End	5186
Name	OJ990922_13.0421.C22.o2.gs	Method	GENSCAN
Start	4078	End	5186
GI	none	Score	.57
Exons	4078..4105, 4673..4719, 5118..5186		

Seq. No.	48957	Seq. ID	OJ990922_13.0421.C22
Gene No.	104291	Strand	-
Start	5160	End	6713
Name	OJ990922_13.0421.C22.o1.tc	Method	TBLASTX:Cress
Start	25	End	1091
GI	none	Score	277
Exons	25..507, 36..506, 677..886, 694..888, 984..1091, 985..1089		

Seq. No.	48957	Seq. ID	OJ990922_13.0421.C22
Gene No.	104291	Strand	-
Start	5160	End	6713
Name	OJ990922_13.0421.C22.o1.tm	Method	TBLASTX:Maize
Start	25	End	483
GI	none	Score	168
Exons	25..303, 27..305, 267..380, 360..476, 361..480, 427..483		

Seq. No.	48957	Seq. ID	OJ990922_13.0421.C22
Gene No.	104291	Strand	-
Start	5160	End	6713
Name	OJ990922_13.0421.C22.o2.ts	Method	TBLASTX:Soybean
Start	27	End	194
GI	none	Score	103
Exons	27..194, 28..189		

Seq. No.	48957	Seq. ID	OJ990922_13.0421.C22
Gene No.	104291	Strand	-
Start	5160	End	6713
Name	OJ990922_13.0421.C22.o1.ts	Method	TBLASTX:Soybean

Start	249	End	1091
GI	none	Score	159
Exons	249..506, 250..489, 528..587, 688..888, 984..1091		

Seq. No.	48957	Seq. ID	OJ990922_13.0421.C22
Gene No.	104291	Strand	-
Start	5160	End	6713
Name	OJ990922_13.0421.C22.o2.tm	Method	TBLASTX:Maize
Start	646	End	1074
GI	none	Score	101
Exons	646..897, 662..886, 984..1073, 985..1074		

Seq. No.	48957	Seq. ID	OJ990922_13.0421.C22
Gene No.	104291	Strand	-
Start	5160	End	6713
Name	OJ990922_13.0421.C22.o1.tw	Method	TBLASTX:Wheat
Start	749	End	1073
GI	none	Score	78
Exons	749..886, 751..888, 984..1073		

Seq. No.	48957	Seq. ID	OJ990922_13.0421.C22
Gene No.	104291	Strand	-
Start	5160	End	6713
Name	OJ990922_13.0421.C22.o2.np	Method	AAT/NAP
Start	5160	End	6713
GI	6539588	Score	107
Exons	5160..5313, 6529..6713		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	48958	Seq. ID	OJ990922_13.0421.C23
Gene No.	104292	Strand	-
Start	61	End	2838
Name	OJ990922_13.0421.C23.o1.gs	Method	GENSCAN
Start	61	End	2838
GI	none	Score	.57
Exons	61..1958, 2286..2414, 2745..2838		

Seq. No.	48958	Seq. ID	OJ990922_13.0421.C23
Gene No.	104292	Strand	-
Start	61	End	2838
Name	OJ990922_13.0421.C23.o1.np	Method	AAT/NAP
Start	870	End	2838
GI	7523502	Score	148
Exons	870..927, 2322..2432, 2745..2838		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48959	Seq. ID	OJ990922_13.0421.C24
Gene No.	104293	Strand	+
Start	123	End	184
Name	OJ990922_13.0421.C24.o1.gs	Method	GENSCAN
Start	123	End	184
GI	none	Score	.9
Exons	123..184		

Seq. No.	48959	Seq. ID	OJ990922_13.0421.C24
Gene No.	104294	Strand	+
Start	1489	End	3766

Name	OJ990922_13.0421.C24.o1.np	Method	AAT/NAP
Start	1489	End	3766
GI	5042463	Score	180
Exons	1489..1707, 2372..2503, 2555..2636, 3729..3766		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	48959	Seq. ID	OJ990922_13.0421.C24
Gene No.	104295	Strand	-
Start	1148	End	2572
Name	OJ990922_13.0421.C24.o2.gs	Method	GENSCAN
Start	1148	End	2572
GI	none	Score	.79
Exons	1148..1370, 1814..1830, 2492..2572		

Seq. No.	48960	Seq. ID	OJ990922_13.0421.C25
Gene No.	104296	Strand	+
Start	9	End	1960
Name	OJ990922_13.0421.C25.o1.gs	Method	GENSCAN
Start	9	End	1728
GI	none	Score	.45
Exons	9..76, 1323..1728		

Seq. No.	48960	Seq. ID	OJ990922_13.0421.C25
Gene No.	104296	Strand	+
Start	9	End	1960
Name	OJ990922_13.0421.C25.o1.np	Method	AAT/NAP
Start	1361	End	1960
GI	7228463	Score	370
Exons	1361..1407, 1518..1707, 1840..1960		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa] gi|7242900|dbj|BAA92498.1| (AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	48961	Seq. ID	OJ990922_13.0421.C26
Gene No.	104297	Strand	+
Start	958	End	1056
Name	OJ990922_13.0421.C26.o1.gs	Method	GENSCAN
Start	958	End	1056
GI	none	Score	.8
Exons	958..1056		

Seq. No.	48962	Seq. ID	OJ990922_13.0421.C28
Gene No.	104298	Strand	-
Start	1	End	2724
Name	OJ990922_13.0421.C28.o1.np	Method	AAT/NAP
Start	1	End	1069
GI	7444442	Score	428
Exons	1..41, 205..1069		
GI Descrip.	gag/pol polyprotein - maize retrotransposon Hopscotch gi|531389|gb|AAA57005.1| (U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]		

Seq. No.	48962	Seq. ID	OJ990922_13.0421.C28
Gene No.	104298	Strand	-
Start	1	End	2724
Name	OJ990922_13.0421.C28.o1.gs	Method	GENSCAN
Start	439	End	2724

GI	none	Score	.7
Exons	439..767, 784..1019, 1631..1675, 2661..2724		

Seq. No.	48962	Seq. ID	OJ990922_13.0421.C28
Gene No.	104298	Strand	-
Start	1	End	2724
Name	OJ990922_13.0421.C28.o2.np	Method	AAT/NAP
Start	1132	End	1297
GI	7340868	Score	153
Exons	1132..1297		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48962	Seq. ID	OJ990922_13.0421.C28
Gene No.	104299	Strand	-
Start	3370	End	4478
Name	OJ990922_13.0421.C28.o1.tw	Method	TBLASTX:Wheat
Start	438	End	743
GI	none	Score	191
Exons	438..743		

Seq. No.	48962	Seq. ID	OJ990922_13.0421.C28
Gene No.	104299	Strand	-
Start	3370	End	4478
Name	OJ990922_13.0421.C28.o1.tm	Method	TBLASTX:Maize
Start	558	End	862
GI	none	Score	143
Exons	558..848, 577..840, 593..862, 714..848		

Seq. No.	48962	Seq. ID	OJ990922_13.0421.C28
Gene No.	104299	Strand	-
Start	3370	End	4478
Name	OJ990922_13.0421.C28.o2.gs	Method	GENSCAN
Start	3370	End	4478
GI	none	Score	.85
Exons	3370..3491, 3546..3678, 3951..4092, 4222..4478		

Seq. No.	48963	Seq. ID	OJ990922_13.0421.C29
Gene No.	104300	Strand	-
Start	1	End	1908
Name	OJ990922_13.0421.C29.o1.np	Method	AAT/NAP
Start	1	End	1908
GI	2160144	Score	151
Exons	1..35, 1258..1650, 1711..1908		
GI Descrip.	(AC000375) Strong similarity to Arabidopsis oligopeptide transporter (gb|X77503). [Arabidopsis thaliana]		

Seq. No.	48964	Seq. ID	OJ990922_13.0421.C31
Gene No.	104301	Strand	+
Start	55	End	1922
Name	OJ990922_13.0421.C31.o1.np	Method	AAT/NAP
Start	55	End	1922
GI	2160144	Score	434
Exons	55..199, 298..542, 592..1083, 1903..1922		
GI Descrip.	(AC000375) Strong similarity to Arabidopsis oligopeptide transporter (gb|X77503). [Arabidopsis thaliana]		

Seq. No.	48964	Seq. ID	OJ990922_13.0421.C31

Gene No.	104301	Strand	+
Start	55	End	1922
Name	OJ990922_13.0421.C31.o1.tc	Method	TBLASTX:Cress
Start	88	End	954
GI	none	Score	93
Exons	88..201, 291..485, 333..515, 341..517, 341..520, 682..834, 683..829, 865..954		

Seq. No.	48964	Seq. ID	OJ990922_13.0421.C31
Gene No.	104301	Strand	+
Start	55	End	1922
Name	OJ990922_13.0421.C31.o1.ts	Method	TBLASTX:Soybean
Start	94	End	496
GI	none	Score	112
Exons	94..198, 97..201, 291..485, 296..487, 323..496		

Seq. No.	48964	Seq. ID	OJ990922_13.0421.C31
Gene No.	104301	Strand	+
Start	55	End	1922
Name	OJ990922_13.0421.C31.o1.tw	Method	TBLASTX:Wheat
Start	96	End	440
GI	none	Score	105
Exons	96..209, 97..204, 291..440, 335..436		

Seq. No.	48964	Seq. ID	OJ990922_13.0421.C31
Gene No.	104301	Strand	+
Start	55	End	1922
Name	OJ990922_13.0421.C31.o1.tm	Method	TBLASTX:Maize
Start	303	End	834
GI	none	Score	228
Exons	303..542, 305..526, 662..829, 663..827, 665..829, 676..834		

Seq. No.	48964	Seq. ID	OJ990922_13.0421.C31
Gene No.	104301	Strand	+
Start	55	End	1922
Name	OJ990922_13.0421.C31.o1.gs	Method	GENSCAN
Start	351	End	892
GI	none	Score	.88
Exons	351..515, 608..892		

Seq. No.	48964	Seq. ID	OJ990922_13.0421.C31
Gene No.	104301	Strand	+
Start	55	End	1922
Name	OJ990922_13.0421.C31.o2.ts	Method	TBLASTX:Soybean
Start	682	End	924
GI	none	Score	179
Exons	682..861, 683..829, 712..861, 865..924		

Seq. No.	48965	Seq. ID	OJ990922_13.0421.C32
Gene No.	104302	Strand	+
Start	1	End	415
Name	OJ990922_13.0421.C32.o1.np	Method	AAT/NAP
Start	1	End	403
GI	4102839	Score	323
Exons	1..403		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	48965	Seq. ID	OJ990922_13.0421.C32
Gene No.	104302	Strand	+
Start	1	End	415
Name	OJ990922_13.0421.C32.o1.gs	Method	GENSCAN
Start	5	End	415
GI	none	Score	.97
Exons	5..415		

Seq. No.	48965	Seq. ID	OJ990922_13.0421.C32
Gene No.	104302	Strand	+
Start	1	End	415
Name	OJ990922_13.0421.C32.o1.ts	Method	TBLASTX:Soybean
Start	10	End	388
GI	none	Score	298
Exons	10..225, 50..388, 280..387		

Seq. No.	48965	Seq. ID	OJ990922_13.0421.C32
Gene No.	104302	Strand	+
Start	1	End	415
Name	OJ990922_13.0421.C32.o1.tc	Method	TBLASTX:Cress
Start	16	End	388
GI	none	Score	303
Exons	16..225, 47..388, 277..387		

Seq. No.	48965	Seq. ID	OJ990922_13.0421.C32
Gene No.	104302	Strand	+
Start	1	End	415
Name	OJ990922_13.0421.C32.o1.tm	Method	TBLASTX:Maize
Start	16	End	393
GI	none	Score	301
Exons	16..222, 50..391, 280..393		

Seq. No.	48965	Seq. ID	OJ990922_13.0421.C32
Gene No.	104302	Strand	+
Start	1	End	415
Name	OJ990922_13.0421.C32.o1.tw	Method	TBLASTX:Wheat
Start	65	End	405
GI	none	Score	253
Exons	65..367, 73..405		

Seq. No.	48966	Seq. ID	OJ990922_13.0421.C33
Gene No.	104303	Strand	+
Start	1177	End	1923
Name	OJ990922_13.0421.C33.o1.np	Method	AAT/NAP
Start	1177	End	1923
GI	6069646	Score	569
Exons	1177..1440, 1723..1923		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	48966	Seq. ID	OJ990922_13.0421.C33
Gene No.	104304	Strand	-
Start	1156	End	1920
Name	OJ990922_13.0421.C33.o1.gs	Method	GENSCAN

Start	1156	End	1920
GI	none	Score	.78
Exons	1156..1473, 1524..1646, 1747..1920		

Seq. No.	48966	Seq. ID	OJ990922_13.0421.C33
Gene No.	104304	Strand	-
Start	1156	End	1920
Name	OJ990922_13.0421.C33.o1.tm	Method	TBLASTX:Maize
Start	1173	End	1661
GI	none	Score	395
Exons	1173..1661, 1177..1659		

Seq. No.	48966	Seq. ID	OJ990922_13.0421.C33
Gene No.	104304	Strand	-
Start	1156	End	1920
Name	OJ990922_13.0421.C33.o1.tw	Method	TBLASTX:Wheat
Start	1300	End	1740
GI	none	Score	159
Exons	1300..1602, 1606..1740		

Seq. No.	48967	Seq. ID	OJ990922_13.0421.C34
Gene No.	104305	Strand	+
Start	1	End	1307
Name	OJ990922_13.0421.C34.o1.np	Method	AAT/NAP
Start	1	End	526
GI	6069646	Score	713
Exons	1..526		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	48967	Seq. ID	OJ990922_13.0421.C34
Gene No.	104305	Strand	+
Start	1	End	1307
Name	OJ990922_13.0421.C34.o1.gs	Method	GENSCAN
Start	113	End	1307
GI	none	Score	.81
Exons	113..293, 1276..1307		

Seq. No.	48967	Seq. ID	OJ990922_13.0421.C34
Gene No.	104306	Strand	+
Start	2416	End	3330
Name	OJ990922_13.0421.C34.o2.np	Method	AAT/NAP
Start	2416	End	3330
GI	4102839	Score	247
Exons	2416..2473, 2722..2808, 3113..3330		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	48967	Seq. ID	OJ990922_13.0421.C34
Gene No.	104307	Strand	-
Start	3109	End	3335
Name	OJ990922_13.0421.C34.o1.tm	Method	TBLASTX:Maize
Start	15	End	517
GI	none	Score	219
Exons	15..185, 32..268, 172..294, 302..517, 310..420		

Seq. No.	48967	Seq. ID	OJ990922_13.0421.C34
Gene No.	104307	Strand	-
Start	3109	End	3335
Name	OJ990922_13.0421.C34.o1.tw	Method	TBLASTX:Wheat
Start	47	End	400
GI	none	Score	203
Exons	47..244, 365..400		

Seq. No.	48967	Seq. ID	OJ990922_13.0421.C34
Gene No.	104307	Strand	-
Start	3109	End	3335
Name	OJ990922_13.0421.C34.o1.tc	Method	TBLASTX:Cress
Start	2697	End	3335
GI	none	Score	100
Exons	2697..2810, 2729..2812, 3111..3335, 3112..3303		

Seq. No.	48967	Seq. ID	OJ990922_13.0421.C34
Gene No.	104307	Strand	-
Start	3109	End	3335
Name	OJ990922_13.0421.C34.o2.tm	Method	TBLASTX:Maize
Start	2712	End	3335
GI	none	Score	118
Exons	2712..2810, 2723..2812, 3111..3335, 3112..3303		

Seq. No.	48967	Seq. ID	OJ990922_13.0421.C34
Gene No.	104307	Strand	-
Start	3109	End	3335
Name	OJ990922_13.0421.C34.o1.ts	Method	TBLASTX:Soybean
Start	2718	End	3314
GI	none	Score	103
Exons	2718..2810, 2723..2812, 3111..3314, 3112..3303		

Seq. No.	48967	Seq. ID	OJ990922_13.0421.C34
Gene No.	104307	Strand	-
Start	3109	End	3335
Name	OJ990922_13.0421.C34.o2.gs	Method	GENSCAN
Start	3109	End	3320
GI	none	Score	.79
Exons	3109..3320		

Seq. No.	48968	Seq. ID	OJ990922_13.0421.C35
Gene No.	104308	Strand	+
Start	1	End	250
Name	OJ990922_13.0421.C35.o1.np	Method	AAT/NAP
Start	1	End	250
GI	1172704	Score	229
Exons	1..250		
GI Descrip.	PEPTIDE TRANSPORTER PTR2-B (HISTIDINE TRANSPORTING PROTEIN) gi|633940 (L39082) transport protein [Arabidopsis thaliana] gi|4406786|gb|AAD20096.1| (AC006532) histidine transport protein (PTR2-B) [Arabidopsis thaliana]		

Seq. No.	48968	Seq. ID	OJ990922_13.0421.C35
Gene No.	104309	Strand	-
Start	62	End	596
Name	OJ990922_13.0421.C35.o1.tc	Method	TBLASTX:Cress

Start	1	End	238
GI	none	Score	189
Exons	1..231, 2..238		

Seq. No.	48968	Seq. ID	OJ990922_13.0421.C35
Gene No.	104309	Strand	-
Start	62	End	596
Name	OJ990922_13.0421.C35.o1.tm	Method	TBLASTX:Maize
Start	1	End	238
GI	none	Score	206
Exons	1..237, 2..238		

Seq. No.	48968	Seq. ID	OJ990922_13.0421.C35
Gene No.	104309	Strand	-
Start	62	End	596
Name	OJ990922_13.0421.C35.o1.ts	Method	TBLASTX:Soybean
Start	1	End	244
GI	none	Score	209
Exons	1..231, 2..244		

Seq. No.	48968	Seq. ID	OJ990922_13.0421.C35
Gene No.	104309	Strand	-
Start	62	End	596
Name	OJ990922_13.0421.C35.o1.tw	Method	TBLASTX:Wheat
Start	1	End	253
GI	none	Score	176
Exons	1..177, 2..253		

Seq. No.	48968	Seq. ID	OJ990922_13.0421.C35
Gene No.	104309	Strand	-
Start	62	End	596
Name	OJ990922_13.0421.C35.o1.gs	Method	GENSCAN
Start	62	End	596
GI	none	Score	.72
Exons	62..213, 518..596		

Seq. No.	48969	Seq. ID	OJ990922_13.0421.C37
Gene No.	104310	Strand	+
Start	276	End	1796
Name	OJ990922_13.0421.C37.o1.gs	Method	GENSCAN
Start	276	End	1796
GI	none	Score	.82
Exons	276..452, 788..816, 1747..1796		

Seq. No.	48969	Seq. ID	OJ990922_13.0421.C37
Gene No.	104311	Strand	-
Start	1904	End	2097
Name	OJ990922_13.0421.C37.o1.gp	Method	AAT/GAP
Start	1904	End	2097
GI	LIB3431-027-P1-K1-D5	Score	205
Exons	1904..1981, 2052..2097		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	48970	Seq. ID	OJ990922_13.0421.C41
Gene No.	104312	Strand	+
Start	1	End	939

Name	OJ990922_13.0421.C41.o2.np	Method	AAT/NAP
Start	1	End	939
GI	7228457	Score	291
Exons	1..72, 237..509, 746..939		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48970	Seq. ID	OJ990922_13.0421.C41
Gene No.	104313	Strand	-
Start	1	End	939
Name	OJ990922_13.0421.C41.o1.np	Method	AAT/NAP
Start	1	End	939
GI	6721562	Score	1123
Exons	1..716, 867..939		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	48970	Seq. ID	OJ990922_13.0421.C41
Gene No.	104313	Strand	-
Start	1	End	939
Name	OJ990922_13.0421.C41.o1.tw	Method	TBLASTX:Wheat
Start	82	End	634
GI	none	Score	92
Exons	82..339, 116..355, 322..420, 323..415, 427..474, 599..634		

Seq. No.	48970	Seq. ID	OJ990922_13.0421.C41
Gene No.	104313	Strand	-
Start	1	End	939
Name	OJ990922_13.0421.C41.o1.tm	Method	TBLASTX:Maize
Start	184	End	469
GI	none	Score	93
Exons	184..432, 185..469		

Seq. No.	48971	Seq. ID	OJ990922_13.0421.C42
Gene No.	104314	Strand	+
Start	755	End	1779
Name	OJ990922_13.0421.C42.o1.gs	Method	GENSCAN
Start	755	End	1779
GI	none	Score	.9
Exons	755..1029, 1150..1233, 1324..1392, 1430..1539, 1622..1709, 1755..1779		

Seq. No.	48971	Seq. ID	OJ990922_13.0421.C42
Gene No.	104315	Strand	-
Start	561	End	1976
Name	OJ990922_13.0421.C42.o1.np	Method	AAT/NAP
Start	561	End	1976
GI	6539570	Score	179
Exons	561..631, 815..976, 1937..1976		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	48971	Seq. ID	OJ990922_13.0421.C42
Gene No.	104315	Strand	-

Start	561	End	1976
Name	OJ990922_13.0421.C42.o2.np	Method	AAT/NAP
Start	1144	End	1227
GI	6630699	Score	70
Exons	1144..1227		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	48972	Seq. ID	OJ990922_13.0421.C43
Gene No.	104316	Strand	+
Start	1	End	1227
Name	OJ990922_13.0421.C43.o1.np	Method	AAT/NAP
Start	1	End	1227
GI	5922620	Score	443
Exons	1..63, 335..555, 659..830, 867..954, 1175..1227		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48973	Seq. ID	OJ990922_13.0421.C45
Gene No.	104317	Strand	+
Start	551	End	660
Name	OJ990922_13.0421.C45.o1.gs	Method	GENSCAN
Start	551	End	660
GI	none	Score	.64
Exons	551..660		

Seq. No.	48973	Seq. ID	OJ990922_13.0421.C45
Gene No.	104318	Strand	+
Start	854	End	2159
Name	OJ990922_13.0421.C45.o1.np	Method	AAT/NAP
Start	854	End	2159
GI	6815099	Score	82
Exons	854..890, 2029..2159		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	48973	Seq. ID	OJ990922_13.0421.C45
Gene No.	104319	Strand	-
Start	1495	End	1885
Name	OJ990922_13.0421.C45.o2.gs	Method	GENSCAN
Start	1495	End	1885
GI	none	Score	.86
Exons	1495..1563, 1751..1885		

Seq. No.	48973	Seq. ID	OJ990922_13.0421.C45
Gene No.	104320	Strand	-
Start	3122	End	4449
Name	OJ990922_13.0421.C45.o3.gs	Method	GENSCAN
Start	3122	End	4449
GI	none	Score	.82
Exons	3122..3369, 4399..4449		

Seq. No.	48974	Seq. ID	OJ990922_13.0421.C46
Gene No.	104321	Strand	-

Start	670	End	883
Name	OJ990922_13.0421.C46.o1.gs	Method	GENSCAN
Start	670	End	883
GI	none	Score	.56
Exons	670..883		

Seq. No.	48975	Seq. ID	OJ990922_13.0421.C47
Gene No.	104322	Strand	-
Start	12	End	2451
Name	OJ990922_13.0421.C47.o1.gs	Method	GENSCAN
Start	12	End	2400
GI	none	Score	.98
Exons	12..65, 102..264, 1975..2400		

Seq. No.	48975	Seq. ID	OJ990922_13.0421.C47
Gene No.	104322	Strand	-
Start	12	End	2451
Name	OJ990922_13.0421.C47.o1.tc	Method	TBLASTX:Cress
Start	100	End	2307
GI	none	Score	154
Exons	100..192, 196..270, 1975..2307, 1982..2224		

Seq. No.	48975	Seq. ID	OJ990922_13.0421.C47
Gene No.	104322	Strand	-
Start	12	End	2451
Name	OJ990922_13.0421.C47.o1.ts	Method	TBLASTX:Soybean
Start	100	End	2308
GI	none	Score	203
Exons	100..192, 193..258, 1984..2307, 1985..2308		

Seq. No.	48975	Seq. ID	OJ990922_13.0421.C47
Gene No.	104322	Strand	-
Start	12	End	2451
Name	OJ990922_13.0421.C47.o1.tm	Method	TBLASTX:Maize
Start	100	End	2308
GI	none	Score	140
Exons	100..264, 101..265, 1975..2121, 1976..2119, 2125..2259, 2125..2307, 2129..2308		

Seq. No.	48975	Seq. ID	OJ990922_13.0421.C47
Gene No.	104322	Strand	-
Start	12	End	2451
Name	OJ990922_13.0421.C47.o1.gp	Method	AAT/GAP
Start	102	End	291
GI	65408_1.R1084	Score	378
Exons	102..291		
GI Descrip.	'217995/dbj|BAA02840| 1.0e-35 (D13683) peroxidase [Populus kitakamiensis]'		

Seq. No.	48975	Seq. ID	OJ990922_13.0421.C47
Gene No.	104322	Strand	-
Start	12	End	2451
Name	OJ990922_13.0421.C47.o1.np	Method	AAT/NAP
Start	102	End	2397
GI	1491617	Score	432
Exons	102..264, 1975..2397		
GI Descrip.	(X99952) peroxidase [Arabidopsis thaliana]		

Seq. No.	48975	Seq. ID	OJ990922_13.0421.C47
Gene No.	104322	Strand	-
Start	12	End	2451
Name	OJ990922_13.0421.C47.o1.tw	Method	TBLASTX:Wheat
Start	1981	End	2292
GI	none	Score	57
Exons	1981..2097, 1994..2035, 2098..2292, 2144..2278		

Seq. No.	48975	Seq. ID	OJ990922_13.0421.C47
Gene No.	104322	Strand	-
Start	12	End	2451
Name	OJ990922_13.0421.C47.o2.gp	Method	AAT/GAP
Start	2000	End	2451
GI	26353_1.R1084	Score	832
Exons	2000..2451		
GI Descrip.	'1279654/emb|CAA66037| 5.0e-25 (X97351) peroxidase [Populus balsamifera subsp. trichocarpa]'		

Seq. No.	48976	Seq. ID	OJ990922_13.0421.C48
Gene No.	104323	Strand	+
Start	1	End	587
Name	OJ990922_13.0421.C48.o1.gp	Method	AAT/GAP
Start	1	End	587
GI	87304_1.R1084	Score	1109
Exons	1..587		
GI Descrip.	'167527 2.0e-15 (M91375) This sequence shows homology with Cucumber peroxidase.; peroxidase; putative [Cucumis sativus]'		

Seq. No.	48976	Seq. ID	OJ990922_13.0421.C48
Gene No.	104323	Strand	+
Start	1	End	587
Name	OJ990922_13.0421.C48.o1.np	Method	AAT/NAP
Start	1	End	439
GI	7433059	Score	131
Exons	1..208, 386..439		
GI Descrip.	probable peroxidase (EC 1.11.1.-), acidic - cucumber (fragment) gi|167527|gb|AAA33126.1| (M91375) This sequence shows homology with Cucumber peroxidase.; peroxidase; putative [Cucumis sativus]		

Seq. No.	48976	Seq. ID	OJ990922_13.0421.C48
Gene No.	104324	Strand	-
Start	1035	End	1192
Name	OJ990922_13.0421.C48.o1.tm	Method	TBLASTX:Maize
Start	2	End	208
GI	none	Score	256
Exons	2..205, 4..204, 71..208		

Seq. No.	48976	Seq. ID	OJ990922_13.0421.C48
Gene No.	104324	Strand	-
Start	1035	End	1192
Name	OJ990922_13.0421.C48.o1.tw	Method	TBLASTX:Wheat
Start	2	End	186
GI	none	Score	240
Exons	2..184, 4..183, 82..186		

Seq. No.	48976	Seq. ID	OJ990922_13.0421.C48
Gene No.	104324	Strand	-
Start	1035	End	1192
Name	OJ990922_13.0421.C48.o2.gs	Method	GENSCAN
Start	1035	End	1192
GI	none	Score	.97
Exons	1035..1192		

Seq. No.	48977	Seq. ID	OJ990922_13.0421.C49
Gene No.	104325	Strand	-
Start	387	End	3503
Name	OJ990922_13.0421.C49.o1.gs	Method	GENSCAN
Start	387	End	3497
GI	none	Score	.79
Exons	387..491, 677..722, 1234..2569, 3141..3497		

Seq. No.	48977	Seq. ID	OJ990922_13.0421.C49
Gene No.	104325	Strand	-
Start	387	End	3503
Name	OJ990922_13.0421.C49.o1.np	Method	AAT/NAP
Start	1257	End	3503
GI	4102839	Score	1113
Exons	1257..2569, 3141..3503		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	48977	Seq. ID	OJ990922_13.0421.C49
Gene No.	104325	Strand	-
Start	387	End	3503
Name	OJ990922_13.0421.C49.o1.tw	Method	TBLASTX:Wheat
Start	1288	End	1603
GI	none	Score	53
Exons	1288..1401, 1300..1380, 1334..1399, 1442..1558, 1442..1603, 1497..1595		

Seq. No.	48977	Seq. ID	OJ990922_13.0421.C49
Gene No.	104325	Strand	-
Start	387	End	3503
Name	OJ990922_13.0421.C49.o1.tm	Method	TBLASTX:Maize
Start	1291	End	2446
GI	none	Score	70
Exons	1291..1401, 1307..1399, 1442..1606, 1488..1607, 1679..1984, 1770..1985, 2030..2071, 2076..2198, 2078..2206, 2273..2323, 2318..2374, 2420..2446		

Seq. No.	48977	Seq. ID	OJ990922_13.0421.C49
Gene No.	104325	Strand	-
Start	387	End	3503
Name	OJ990922_13.0421.C49.o1.tc	Method	TBLASTX:Cress
Start	1297	End	3383
GI	none	Score	54
Exons	1297..1401, 1303..1380, 1310..1396, 1442..1558, 1442..1606, 1488..1598, 1679..1984, 1770..1985, 2030..2071, 2081..2206, 2097..2198, 2273..2374, 2420..2446, 3147..3383		

Seq. No.	48977	Seq. ID	OJ990922_13.0421.C49
Gene No.	104325	Strand	-
Start	387	End	3503

Name	OJ990922_13.0421.C49.o1.ts	Method	TBLASTX:Soybean
Start	1297	End	2374
GI	none	Score	101
Exons	1297..1392, 1442..1606, 1494..1610, 1679..1822, 1829..1984, 2030..2059, 2120..2188, 2276..2374		

Seq. No.	48977	Seq. ID	OJ990922_13.0421.C49
Gene No.	104325	Strand	-
Start	387	End	3503
Name	OJ990922_13.0421.C49.o2.tm	Method	TBLASTX:Maize
Start	3138	End	3383
GI	none	Score	45
Exons	3138..3383, 3196..3240, 3298..3381		

Seq. No.	48977	Seq. ID	OJ990922_13.0421.C49
Gene No.	104325	Strand	-
Start	387	End	3503
Name	OJ990922_13.0421.C49.o2.ts	Method	TBLASTX:Soybean
Start	3159	End	3383
GI	none	Score	42
Exons	3159..3383, 3196..3240, 3295..3381		

Seq. No.	48977	Seq. ID	OJ990922_13.0421.C49
Gene No.	104325	Strand	-
Start	387	End	3503
Name	OJ990922_13.0421.C49.o2.tw	Method	TBLASTX:Wheat
Start	3216	End	3383
GI	none	Score	92
Exons	3216..3383, 3252..3383		

Seq. No.	48978	Seq. ID	OJ990922_13.0421.C52
Gene No.	104326	Strand	+
Start	175	End	228
Name	OJ990922_13.0421.C52.o1.gs	Method	GENSCAN
Start	175	End	228
GI	none	Score	.79
Exons	175..228		

Seq. No.	48979	Seq. ID	OJ990922_13.0421.C56
Gene No.	104327	Strand	+
Start	1	End	887
Name	OJ990922_13.0421.C56.o1.np	Method	AAT/NAP
Start	1	End	881
GI	4102839	Score	675
Exons	1..116, 144..881		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	48979	Seq. ID	OJ990922_13.0421.C56
Gene No.	104327	Strand	+
Start	1	End	887
Name	OJ990922_13.0421.C56.o1.gs	Method	GENSCAN
Start	48	End	887
GI	none	Score	.97
Exons	48..887		

Seq. No.	48979	Seq. ID	OJ990922_13.0421.C56
Gene No.	104327	Strand	+

Start	1	End	887
Name	OJ990922_13.0421.C56.o1.gp	Method	AAT/GAP
Start	173	End	584
GI	LIB3431-008-P1-K1-H4	Score	746
Exons	173..584		
GI Descrip.	'4322327/gb|AAD16016| 1.0e-23 (AF080545) peptide transporter [Nepenthes alata]'		

Seq. No.	48979	Seq. ID	OJ990922_13.0421.C56
Gene No.	104328	Strand	-
Start	635	End	1110
Name	OJ990922_13.0421.C56.o2.gp	Method	AAT/GAP
Start	635	End	1110
GI	5280_1.R1084	Score	851
Exons	635..1110		
GI Descrip.	'4102839 8.0e-15 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	48979	Seq. ID	OJ990922_13.0421.C56
Gene No.	104329	Strand	-
Start	1312	End	1548
Name	OJ990922_13.0421.C56.o2.gs	Method	GENSCAN
Start	1312	End	1548
GI	none	Score	.62
Exons	1312..1548		

Seq. No.	48979	Seq. ID	OJ990922_13.0421.C56
Gene No.	104330	Strand	-
Start	2118	End	2573
Name	OJ990922_13.0421.C56.o1.tm	Method	TBLASTX:Maize
Start	128	End	881
GI	none	Score	329
Exons	128..451, 147..479, 539..781, 540..881		

Seq. No.	48979	Seq. ID	OJ990922_13.0421.C56
Gene No.	104330	Strand	-
Start	2118	End	2573
Name	OJ990922_13.0421.C56.o1.tc	Method	TBLASTX:Cress
Start	140	End	887
GI	none	Score	336
Exons	140..451, 147..479, 540..887, 545..781, 787..816		

Seq. No.	48979	Seq. ID	OJ990922_13.0421.C56
Gene No.	104330	Strand	-
Start	2118	End	2573
Name	OJ990922_13.0421.C56.o1.ts	Method	TBLASTX:Soybean
Start	140	End	800
GI	none	Score	259
Exons	140..211, 141..476, 263..451, 540..800		

Seq. No.	48979	Seq. ID	OJ990922_13.0421.C56
Gene No.	104330	Strand	-
Start	2118	End	2573
Name	OJ990922_13.0421.C56.o1.tw	Method	TBLASTX:Wheat
Start	543	End	890
GI	none	Score	282
Exons	543..890, 546..665, 551..784		

Seq. No.	48979	Seq. ID	OJ990922_13.0421.C56
Gene No.	104330	Strand	-
Start	2118	End	2573
Name	OJ990922_13.0421.C56.o4.gp	Method	AAT/GAP
Start	2118	End	2573
GI	3107126	Score	501
Exons	2118..2372, 2496..2573		

Seq. No.	48980	Seq. ID	OJ990922_13.0421.C57
Gene No.	104331	Strand	+
Start	1699	End	2323
Name	OJ990922_13.0421.C57.o1.gs	Method	GENSCAN
Start	1699	End	2323
GI	none	Score	.72
Exons	1699..1758, 1853..1952, 2048..2112, 2183..2323		

Seq. No.	48980	Seq. ID	OJ990922_13.0421.C57
Gene No.	104331	Strand	+
Start	1699	End	2323
Name	OJ990922_13.0421.C57.o1.np	Method	AAT/NAP
Start	1792	End	2226
GI	6635838	Score	77
Exons	1792..1964, 2060..2226		
GI Descrip.	(AF213936) amino acid/peptide transporter [Prunus dulcis]		

Seq. No.	48981	Seq. ID	OJ990922_13.0421.C58
Gene No.	104332	Strand	+
Start	75	End	2252
Name	OJ990922_13.0421.C58.o1.gs	Method	GENSCAN
Start	75	End	2252
GI	none	Score	.56
Exons	75..212, 503..573, 2133..2252		

Seq. No.	48981	Seq. ID	OJ990922_13.0421.C58
Gene No.	104333	Strand	-
Start	1	End	437
Name	OJ990922_13.0421.C58.o1.np	Method	AAT/NAP
Start	1	End	437
GI	7340909	Score	168
Exons	1..110, 242..437		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	48982	Seq. ID	OJ990922_13.0421.C60
Gene No.	104334	Strand	-
Start	137	End	515
Name	OJ990922_13.0421.C60.o1.np	Method	AAT/NAP
Start	137	End	515
GI	7510076	Score	102
Exons	137..449, 476..515		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	48983	Seq. ID	OJ990922_13.0421.C61
Gene No.	104335	Strand	-
Start	1966	End	3106
Name	OJ990922_13.0421.C61.o1.np	Method	AAT/NAP
Start	1966	End	3106
GI	6002331	Score	70

Exons	1966..2140, 3052..3106		
GI Descrip.	(X62009) fibrillin 5 [Homo sapiens]		
Seq. No.	48983	Seq. ID	OJ990922_13.0421.C61
Gene No.	104335	Strand	-
Start	1966	End	3106
Name	OJ990922_13.0421.C61.o1.gs	Method	GENSCAN
Start	2034	End	3063
GI	none	Score	.85
Exons	2034..2176, 2469..3063		
Seq. No.	48984	Seq. ID	OJ990922_13.0421.C62
Gene No.	104336	Strand	+
Start	3043	End	3307
Name	OJ990922_13.0421.C62.o2.gs	Method	GENSCAN
Start	3043	End	3307
GI	none	Score	.49
Exons	3043..3160, 3186..3307		
Seq. No.	48984	Seq. ID	OJ990922_13.0421.C62
Gene No.	104337	Strand	-
Start	1	End	1161
Name	OJ990922_13.0421.C62.o1.np	Method	AAT/NAP
Start	1	End	1161
GI	6665543	Score	80
Exons	1..281, 1131..1161		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	48984	Seq. ID	OJ990922_13.0421.C62
Gene No.	104337	Strand	-
Start	1	End	1161
Name	OJ990922_13.0421.C62.o1.gs	Method	GENSCAN
Start	79	End	309
GI	none	Score	.49
Exons	79..309		
Seq. No.	48984	Seq. ID	OJ990922_13.0421.C62
Gene No.	104338	Strand	-
Start	5910	End	6501
Name	OJ990922_13.0421.C62.o3.gs	Method	GENSCAN
Start	5910	End	6501
GI	none	Score	.4
Exons	5910..5971, 6159..6285, 6302..6501		
Seq. No.	48985	Seq. ID	OJ990922_13.0421.C63
Gene No.	104339	Strand	+
Start	800	End	951
Name	OJ990922_13.0421.C63.o1.gs	Method	GENSCAN
Start	800	End	951
GI	none	Score	.7
Exons	800..951		
Seq. No.	48985	Seq. ID	OJ990922_13.0421.C63
Gene No.	104340	Strand	-
Start	1	End	1150
Name	OJ990922_13.0421.C63.o1.np	Method	AAT/NAP
Start	1	End	1150

GI	2160144	Score	607
Exons	1..22, 179..714, 798..1015, 1109..1150		
GI Descrip.	(AC000375) Strong similarity to Arabidopsis oligopeptide transporter (gb|X77503). [Arabidopsis thaliana]		

Seq. No.	48985	Seq. ID	OJ990922_13.0421.C63
Gene No.	104340	Strand	-
Start	1	End	1150
Name	OJ990922_13.0421.C63.o2.tm	Method	TBLASTX:Maize
Start	166	End	412
GI	none	Score	70
Exons	166..411, 173..412, 178..411		

Seq. No.	48985	Seq. ID	OJ990922_13.0421.C63
Gene No.	104340	Strand	-
Start	1	End	1150
Name	OJ990922_13.0421.C63.o1.tc	Method	TBLASTX:Cress
Start	169	End	1143
GI	none	Score	183
Exons	169..591, 242..592, 799..1011, 801..1016, 804..1022, 817..1017, 1105..1143, 1107..1142		

Seq. No.	48985	Seq. ID	OJ990922_13.0421.C63
Gene No.	104340	Strand	-
Start	1	End	1150
Name	OJ990922_13.0421.C63.o1.ts	Method	TBLASTX:Soybean
Start	169	End	1010
GI	none	Score	122
Exons	169..591, 245..592, 673..714, 804..1010		

Seq. No.	48985	Seq. ID	OJ990922_13.0421.C63
Gene No.	104340	Strand	-
Start	1	End	1150
Name	OJ990922_13.0421.C63.o1.tm	Method	TBLASTX:Maize
Start	418	End	1014
GI	none	Score	136
Exons	418..666, 419..592, 427..663, 649..714, 790..1014, 797..958, 801..1013		

Seq. No.	48986	Seq. ID	OJ990922_13.0421.C67
Gene No.	104341	Strand	+
Start	480	End	688
Name	OJ990922_13.0421.C67.o1.gs	Method	GENSCAN
Start	480	End	688
GI	none	Score	.69
Exons	480..688		

Seq. No.	48986	Seq. ID	OJ990922_13.0421.C67
Gene No.	104342	Strand	+
Start	1620	End	2262
Name	OJ990922_13.0421.C67.o1.np	Method	AAT/NAP
Start	1620	End	2262
GI	6635838	Score	318
Exons	1620..1670, 1714..1819, 1938..2262		
GI Descrip.	(AF213936) amino acid/peptide transporter [Prunus dulcis]		

Seq. No.	48986	Seq. ID	OJ990922_13.0421.C67

Gene No.	104343	Strand	-
Start	868	End	2169
Name	OJ990922_13.0421.C67.o2.gs	Method	GENSCAN
Start	868	End	2152
GI	none	Score	.47
Exons	868..946, 1595..1707, 1967..2152		

Seq. No.	48986	Seq. ID	OJ990922_13.0421.C67
Gene No.	104343	Strand	-
Start	868	End	2169
Name	OJ990922_13.0421.C67.o1.tm	Method	TBLASTX:Maize
Start	1716	End	2169
GI	none	Score	123
Exons	1716..1823, 1726..1827, 1936..2169, 1937..2167		

Seq. No.	48986	Seq. ID	OJ990922_13.0421.C67
Gene No.	104343	Strand	-
Start	868	End	2169
Name	OJ990922_13.0421.C67.o1.ts	Method	TBLASTX:Soybean
Start	1717	End	2137
GI	none	Score	119
Exons	1717..1827, 1734..1823, 1936..2136, 1937..2137		

Seq. No.	48986	Seq. ID	OJ990922_13.0421.C67
Gene No.	104343	Strand	-
Start	868	End	2169
Name	OJ990922_13.0421.C67.o1.tw	Method	TBLASTX:Wheat
Start	1726	End	2071
GI	none	Score	126
Exons	1726..1827, 1734..1820, 1936..2070, 1937..2071		

Seq. No.	48986	Seq. ID	OJ990922_13.0421.C67
Gene No.	104343	Strand	-
Start	868	End	2169
Name	OJ990922_13.0421.C67.o1.tc	Method	TBLASTX:Cress
Start	1728	End	2155
GI	none	Score	105
Exons	1728..1823, 1732..1827, 1936..2148, 1937..2155, 1937..2152		

Seq. No.	48987	Seq. ID	OJ990602_02.0421.C15
Gene No.	104344	Strand	+
Start	72	End	659
Name	OJ990602_02.0421.C15.o1.gs	Method	GENSCAN
Start	72	End	659
GI	none	Score	.58
Exons	72..185, 624..659		

Seq. No.	48987	Seq. ID	OJ990602_02.0421.C15
Gene No.	104345	Strand	-
Start	1718	End	2648
Name	OJ990602_02.0421.C15.o2.gs	Method	GENSCAN
Start	1718	End	2648
GI	none	Score	.86
Exons	1718..1862, 2590..2648		

Seq. No.	48988	Seq. ID	OJ990602_02.0421.C16
Gene No.	104346	Strand	+

Start	1302	End	1410
Name	OJ990602_02.0421.C16.o1.gs	Method	GENSCAN
Start	1302	End	1410
GI	none	Score	.93
Exons	1302..1410		

Seq. No.	48988	Seq. ID	OJ990602_02.0421.C16
Gene No.	104347	Strand	-
Start	3135	End	4877
Name	OJ990602_02.0421.C16.o2.gs	Method	GENSCAN
Start	3135	End	4742
GI	none	Score	.59
Exons	3135..3201, 4360..4742		

Seq. No.	48988	Seq. ID	OJ990602_02.0421.C16
Gene No.	104347	Strand	-
Start	3135	End	4877
Name	OJ990602_02.0421.C16.o1.gp	Method	AAT/GAP
Start	4030	End	4321
GI	3759852	Score	522
Exons	4030..4321		

Seq. No.	48988	Seq. ID	OJ990602_02.0421.C16
Gene No.	104347	Strand	-
Start	3135	End	4877
Name	OJ990602_02.0421.C16.o1.np	Method	AAT/NAP
Start	4359	End	4877
GI	4929803	Score	163
Exons	4359..4730, 4846..4877		
GI Descrip.	(AF152555) putative zinc finger protein SHI [Arabidopsis thaliana]		

Seq. No.	48989	Seq. ID	OJ990602_02.0421.C17
Gene No.	104348	Strand	+
Start	1236	End	1858
Name	OJ990602_02.0421.C17.o1.gs	Method	GENSCAN
Start	1236	End	1858
GI	none	Score	.77
Exons	1236..1323, 1384..1451, 1570..1858		

Seq. No.	48990	Seq. ID	OJ990602_02.0421.C18
Gene No.	104349	Strand	+
Start	537	End	1561
Name	OJ990602_02.0421.C18.o1.gs	Method	GENSCAN
Start	537	End	1561
GI	none	Score	.55
Exons	537..683, 894..1018, 1425..1561		

Seq. No.	48990	Seq. ID	OJ990602_02.0421.C18
Gene No.	104350	Strand	-
Start	3955	End	4035
Name	OJ990602_02.0421.C18.o2.gs	Method	GENSCAN
Start	3955	End	4035
GI	none	Score	.95
Exons	3955..4035		

Seq. No.	48991	Seq. ID	OJ990602_02.0421.C20

Gene No.	104351	Strand	+
Start	1	End	483
Name	OJ990602_02.0421.C20.o1.gp	Method	AAT/GAP
Start	1	End	483
GI	5867_1.R1084	Score	146
Exons	1..60, 393..483		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	48991	Seq. ID	OJ990602_02.0421.C20
Gene No.	104351	Strand	+
Start	1	End	483
Name	OJ990602_02.0421.C20.o1.gs	Method	GENSCAN
Start	176	End	306
GI	none	Score	.85
Exons	176..306		

Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104352	Strand	-
Start	4814	End	6481
Name	OJ990602_02.0421.C21.o2.gs	Method	GENSCAN
Start	4814	End	6450
GI	none	Score	.61
Exons	4814..5533, 5539..6450		

Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104352	Strand	-
Start	4814	End	6481
Name	OJ990602_02.0421.C21.o1.np	Method	AAT/NAP
Start	4820	End	6481
GI	5281041	Score	1196
Exons	4820..5455, 5539..6481		
GI Descrip.	(AL080318) flavonoid 3', 5'-hydroxylase-like protein [Arabidopsis thaliana]		

Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104352	Strand	-
Start	4814	End	6481
Name	OJ990602_02.0421.C21.o1.gp	Method	AAT/GAP
Start	5253	End	5746
GI	LIB3432-041-P1-K1-G8	Score	785
Exons	5253..5455, 5539..5746		
GI Descrip.	'2827548/emb|CAA16556| 4.0e-26 (AL021635) cytochrome P450 - like protein [Arabidopsis thaliana]'		

Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o3.tm	Method	TBLASTX:Maize
Start	22	End	351
GI	none	Score	106
Exons	22..114, 24..116, 150..221, 169..234, 219..350, 220..351		

Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o1.tc	Method	TBLASTX:Cress
Start	4805	End	5449
GI	none	Score	81
Exons	4805..5065, 4977..5066, 5093..5305, 5093..5449, 5094..5309		

Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o1.ts	Method	TBLASTX:Soybean
Start	4841	End	6285
GI	none	Score	53
Exons	4841..4921, 4928..5071, 5001..5063, 5093..5479, 5094..5303, 5397..5477, 5665..5835, 5833..6099, 6145..6285		

Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o3.tw	Method	TBLASTX:Wheat
Start	4910	End	5156
GI	none	Score	39
Exons	4910..5086, 4922..4966, 4962..5087, 5093..5155, 5094..5156		

Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o1.tm	Method	TBLASTX:Maize
Start	4922	End	5317
GI	none	Score	159
Exons	4922..5080, 4950..5081, 5081..5317, 5082..5309		

Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o2.tw	Method	TBLASTX:Wheat
Start	5156	End	5441
GI	none	Score	100
Exons	5156..5440, 5157..5306, 5385..5441		

Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o4.tm	Method	TBLASTX:Maize
Start	5384	End	5772
GI	none	Score	103
Exons	5384..5455, 5387..5506, 5397..5507, 5537..5617, 5539..5625, 5539..5634, 5653..5772, 5701..5772		

Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o3.tc	Method	TBLASTX:Cress
Start	5593	End	6288
GI	none	Score	56

Exons	5593..5640, 5665..5856, 5741..5857, 5869..5958, 5870..5959, 5944..6108, 6031..6099, 6106..6288, 6107..6268		
Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o2.np	Method	AAT/NAP
Start	12028	End	14475
GI	6651292	Score	614
Exons	12028..12576, 14213..14475		
GI Descrip.	(AF161711) myb-related transcription factor [Pimpinella brachycarpa]		
Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o3.gs	Method	GENSCAN
Start	12051	End	14475
GI	none	Score	.99
Exons	12051..12576, 14213..14475		
Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o2.ts	Method	TBLASTX:Soybean
Start	12447	End	14478
GI	none	Score	130
Exons	12447..12581, 12466..12579, 14173..14475, 14188..14478, 14303..14476		
Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o2.tc	Method	TBLASTX:Cress
Start	12453	End	14478
GI	none	Score	120
Exons	12453..12581, 12457..12579, 12462..12581, 14188..14478, 14300..14476		
Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o2.tm	Method	TBLASTX:Maize
Start	12457	End	14481
GI	none	Score	178
Exons	12457..12579, 12457..12576, 12459..12581, 14173..14481, 14200..14442		
Seq. No.	48992	Seq. ID	OJ990602_02.0421.C21
Gene No.	104353	Strand	-
Start	12051	End	14481
Name	OJ990602_02.0421.C21.o1.tw	Method	TBLASTX:Wheat
Start	12462	End	14476
GI	none	Score	120
Exons	12462..12581, 12463..12579, 12466..12585, 14188..14475, 14215..14475, 14228..14476		

Seq. No.	48993	Seq. ID	OJ990602_02.0421.C22
Gene No.	104354	Strand	-
Start	139	End	950
Name	OJ990602_02.0421.C22.o1.gs	Method	GENSCAN
Start	139	End	816
GI	none	Score	.63
Exons	139..309, 556..645, 745..816		

Seq. No.	48993	Seq. ID	OJ990602_02.0421.C22
Gene No.	104354	Strand	-
Start	139	End	950
Name	OJ990602_02.0421.C22.o1.np	Method	AAT/NAP
Start	256	End	950
GI	5042454	Score	237
Exons	256..309, 556..950		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48994	Seq. ID	OJ990602_02.0421.C25
Gene No.	104355	Strand	+
Start	5837	End	9001
Name	OJ990602_02.0421.C25.o2.np	Method	AAT/NAP
Start	5837	End	9001
GI	7513472	Score	54
Exons	5837..5885, 8035..8382, 8490..8734, 8949..9001		
GI Descrip.	actin-depolymerizing protein N-WASP, brain - bovine gi|1644232|dbj|BAA11082.1| (D67066) N-WASP [Bos taurus]		

Seq. No.	48994	Seq. ID	OJ990602_02.0421.C25
Gene No.	104356	Strand	+
Start	10073	End	11402
Name	OJ990602_02.0421.C25.o4.np	Method	AAT/NAP
Start	10073	End	11402
GI	6539553	Score	2314
Exons	10073..11402		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	48994	Seq. ID	OJ990602_02.0421.C25
Gene No.	104357	Strand	-
Start	2747	End	5972
Name	OJ990602_02.0421.C25.o1.gp	Method	AAT/GAP
Start	2383	End	5868
GI	1044_1.R1084	Score	2082
Exons	2383..2818, 5104..5518, 5590..5868		
GI Descrip.	'3024432/sp|O04861|PRC6_ORYSA 1.0e-127 PROTEASOME ALPHA SUBUNIT (MULTICATALYTIC ENDOPEPTIDASE COMPLEX ALPHA SUBUNIT) >gi_1930070 (U92540) proteasome alpha subunit [Oryza sativa]'		

Seq. No.	48994	Seq. ID	OJ990602_02.0421.C25
Gene No.	104357	Strand	-
Start	2747	End	5972
Name	OJ990602_02.0421.C25.o1.tc	Method	TBLASTX:Cress
Start	2657	End	5763
GI	none	Score	48
Exons	2657..2725, 2738..2824, 2757..2819, 5101..5523, 5102..5524,		

5589..5762, 5590..5763

Seq. No.	48994	Seq. ID	OJ990602_02.0421.C25
Gene No.	104357	Strand	-
Start	2747	End	5972
Name	OJ990602_02.0421.C25.o1.np	Method	AAT/NAP
Start	2660	End	5762
GI	3024432	Score	1148
Exons	2660..2818, 5104..5518, 5590..5762		
GI Descrip.	PROTEASOME ALPHA SUBUNIT (MULTICATALYTIC ENDOPEPTIDASE COMPLEX ALPHA SUBUNIT) gi|1930070 (U92540) proteasome alpha subunit [Oryza sativa]		

Seq. No.	48994	Seq. ID	OJ990602_02.0421.C25
Gene No.	104357	Strand	-
Start	2747	End	5972
Name	OJ990602_02.0421.C25.o1.ts	Method	TBLASTX:Soybean
Start	2661	End	5763
GI	none	Score	67
Exons	2661..2819, 2702..2824, 2723..2824, 5101..5523, 5102..5524, 5429..5560, 5589..5762, 5590..5763		

Seq. No.	48994	Seq. ID	OJ990602_02.0421.C25
Gene No.	104357	Strand	-
Start	2747	End	5972
Name	OJ990602_02.0421.C25.o1.tm	Method	TBLASTX:Maize
Start	2669	End	5777
GI	none	Score	141
Exons	2669..2821, 2723..2824, 2757..2846, 5101..5523, 5102..5524, 5432..5560, 5442..5570, 5495..5569, 5572..5622, 5581..5769, 5589..5771, 5706..5777		

Seq. No.	48994	Seq. ID	OJ990602_02.0421.C25
Gene No.	104357	Strand	-
Start	2747	End	5972
Name	OJ990602_02.0421.C25.o2.gs	Method	GENSCAN
Start	2747	End	5972
GI	none	Score	.96
Exons	2747..2818, 5104..5518, 5590..5972		

Seq. No.	48994	Seq. ID	OJ990602_02.0421.C25
Gene No.	104357	Strand	-
Start	2747	End	5972
Name	OJ990602_02.0421.C25.o1.tw	Method	TBLASTX:Wheat
Start	5327	End	5763
GI	none	Score	304
Exons	5327..5524, 5329..5523, 5432..5560, 5572..5622, 5581..5763, 5589..5762		

Seq. No.	48994	Seq. ID	OJ990602_02.0421.C25
Gene No.	104358	Strand	
Start	10067	End	10515
Name	OJ990602_02.0421.C25.o2.tw	Method	TBLASTX:Wheat
Start	10067	End	10453
GI	none	Score	354
Exons	10067..10453, 10078..10452		

Seq. No.	48994	Seq. ID	OJ990602_02.0421.C25
Gene No.	104358	Strand	
Start	10067	End	10515
Name	OJ990602_02.0421.C25.o3.tm	Method	TBLASTX:Maize
Start	10202	End	10515
GI	none	Score	366
Exons	10202..10513, 10210..10515		

Seq. No.	48994	Seq. ID	OJ990602_02.0421.C25
Gene No.	104359	Strand	
Start	11014	End	11336
Name	OJ990602_02.0421.C25.o2.tm	Method	TBLASTX:Maize
Start	11014	End	11336
GI	none	Score	268
Exons	11014..11268, 11021..11335, 11041..11334, 11169..11336		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o1.np	Method	AAT/NAP
Start	1	End	2553
GI	6539553	Score	4404
Exons	1..2553		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o3.tm	Method	TBLASTX:Maize
Start	112	End	546
GI	none	Score	303
Exons	112..546, 321..521		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o4.tw	Method	TBLASTX:Wheat
Start	189	End	381
GI	none	Score	131
Exons	189..380, 190..381, 190..381		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o3.ts	Method	TBLASTX:Soybean
Start	334	End	732
GI	none	Score	197
Exons	334..558, 342..512, 559..732, 567..605		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o2.tc	Method	TBLASTX:Cress
Start	367	End	756

GI	none	Score	112
Exons	367..549, 562..756		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o1.tw	Method	TBLASTX:Wheat
Start	382	End	1137
GI	none	Score	634
Exons	382..846, 390..869, 890..1120, 898..1137, 920..1117, 978..1136		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o1.ts	Method	TBLASTX:Soybean
Start	1057	End	1521
GI	5509260	Score	383
Exons	1057..1521, 1158..1226, 1275..1370, 1443..1502		
GI Descrip.	-		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o1.tc	Method	TBLASTX:Cress
Start	1150	End	1410
GI	none	Score	286
Exons	1150..1410, 1152..1229		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o1.tm	Method	TBLASTX:Maize
Start	1191	End	1656
GI	none	Score	361
Exons	1191..1373, 1192..1656, 1327..1509, 1443..1553		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o3.tw	Method	TBLASTX:Wheat
Start	1192	End	1737
GI	none	Score	319
Exons	1192..1536, 1339..1512, 1531..1737, 1605..1727		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o2.ts	Method	TBLASTX:Soybean
Start	1590	End	1935
GI	none	Score	314
Exons	1590..1790, 1591..1935		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o2.tm	Method	TBLASTX:Maize
Start	1746	End	2085

GI	none	Score	318
Exons	1746..2084, 1747..2085		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o2.tw	Method	TBLASTX:Wheat
Start	1941	End	2417
GI	none	Score	101
Exons	1941..2012, 1942..2016, 1943..2014, 2031..2417, 2032..2379		

Seq. No.	48995	Seq. ID	OJ990602_02.0421.C26
Gene No.	104360	Strand	+
Start	1	End	2553
Name	OJ990602_02.0421.C26.o4.ts	Method	TBLASTX:Soybean
Start	1948	End	2289
GI	none	Score	91
Exons	1948..2061, 1974..2054, 2080..2289, 2085..2210		

Seq. No.	48996	Seq. ID	OJ990602_02.0421.C27
Gene No.	104361	Strand	+
Start	203	End	364
Name	OJ990602_02.0421.C27.o1.gs	Method	GENSCAN
Start	203	End	364
GI	none	Score	.88
Exons	203..364		

Seq. No.	48996	Seq. ID	OJ990602_02.0421.C27
Gene No.	104362	Strand	+
Start	600	End	2046
Name	OJ990602_02.0421.C27.o1.np	Method	AAT/NAP
Start	600	End	2046
GI	6721512	Score	39
Exons	600..721, 2025..2046		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	48996	Seq. ID	OJ990602_02.0421.C27
Gene No.	104363	Strand	-
Start	1338	End	6040
Name	OJ990602_02.0421.C27.o2.gs	Method	GENSCAN
Start	1338	End	6040
GI	none	Score	.66
Exons	1338..1396, 1457..1532, 1880..1941, 2709..2919, 2932..3001, 3302..3983, 4096..4180, 4209..4460, 5946..6040		

Seq. No.	48996	Seq. ID	OJ990602_02.0421.C27
Gene No.	104363	Strand	-
Start	1338	End	6040
Name	OJ990602_02.0421.C27.o2.np	Method	AAT/NAP
Start	2770	End	3984
GI	7442168	Score	779
Exons	2770..3062, 3313..3984		
GI Descrip.	pathogenesis-related protein F20M13.220 - Arabidopsis thaliana gi|4467153|emb|CAB37522.1| (AL035540) putative thaumatin-like protein [Arabidopsis thaliana] gi|7270849|emb|CAB80530.1| (AL161593) putative thaumatin-like protein [Arabidopsis thaliana]		

Seq. No.	48996	Seq. ID	OJ990602_02.0421.C27
Gene No.	104363	Strand	-
Start	1338	End	6040
Name	OJ990602_02.0421.C27.o2.tw	Method	TBLASTX:Wheat
Start	3298	End	3520
GI	none	Score	146
Exons	3298..3345, 3352..3519, 3353..3520		

Seq. No.	48996	Seq. ID	OJ990602_02.0421.C27
Gene No.	104363	Strand	-
Start	1338	End	6040
Name	OJ990602_02.0421.C27.o2.tm	Method	TBLASTX:Maize
Start	3301	End	3520
GI	none	Score	137
Exons	3301..3342, 3352..3519, 3353..3520		

Seq. No.	48996	Seq. ID	OJ990602_02.0421.C27
Gene No.	104363	Strand	-
Start	1338	End	6040
Name	OJ990602_02.0421.C27.o1.ts	Method	TBLASTX:Soybean
Start	3304	End	3964
GI	none	Score	178
Exons	3304..3540, 3320..3529, 3538..3600, 3607..3960, 3611..3964		

Seq. No.	48996	Seq. ID	OJ990602_02.0421.C27
Gene No.	104363	Strand	-
Start	1338	End	6040
Name	OJ990602_02.0421.C27.o1.tc	Method	TBLASTX:Cress
Start	3317	End	3964
GI	none	Score	97
Exons	3317..3520, 3322..3519, 3529..3603, 3539..3583, 3610..3960, 3611..3964		

Seq. No.	48996	Seq. ID	OJ990602_02.0421.C27
Gene No.	104363	Strand	-
Start	1338	End	6040
Name	OJ990602_02.0421.C27.o1.tw	Method	TBLASTX:Wheat
Start	3523	End	3939
GI	none	Score	60
Exons	3523..3741, 3524..3661, 3683..3745, 3745..3834, 3880..3939		

Seq. No.	48996	Seq. ID	OJ990602_02.0421.C27
Gene No.	104363	Strand	-
Start	1338	End	6040
Name	OJ990602_02.0421.C27.o1.tm	Method	TBLASTX:Maize
Start	3604	End	3913
GI	none	Score	249
Exons	3604..3780, 3605..3790, 3782..3913, 3784..3912		

Seq. No.	48997	Seq. ID	OJ990602_02.0421.C28
Gene No.	104364	Strand	+
Start	1170	End	2980
Name	OJ990602_02.0421.C28.o1.gs	Method	GENSCAN
Start	1170	End	2980
GI	none	Score	.6
Exons	1170..1212, 1365..1559, 2223..2326, 2966..2980		

Seq. No.	48997	Seq. ID	OJ990602_02.0421.C28
Gene No.	104365	Strand	-
Start	4138	End	6116
Name	OJ990602_02.0421.C28.o2.gs	Method	GENSCAN
Start	4138	End	6113
GI	none	Score	.73
Exons	4138..4555, 4750..4979, 4985..5352, 5354..6113		

Seq. No.	48997	Seq. ID	OJ990602_02.0421.C28
Gene No.	104365	Strand	-
Start	4138	End	6116
Name	OJ990602_02.0421.C28.o1.np	Method	AAT/NAP
Start	4141	End	6116
GI	7486861	Score	1658
Exons	4141..5455, 5490..6116		
GI Descrip.	hypothetical protein T11I11.180 - Arabidopsis thaliana gi|5123711|emb|CAB45455.1| (AL079347) putative protein [Arabidopsis thaliana] gi|7270445|emb|CAB80211.1| (AL161586) putative protein [Arabidopsis thaliana]		

Seq. No.	48997	Seq. ID	OJ990602_02.0421.C28
Gene No.	104366	Strand	-
Start	7456	End	7716
Name	OJ990602_02.0421.C28.o1.tm	Method	TBLASTX:Maize
Start	4138	End	4561
GI	none	Score	129
Exons	4138..4542, 4140..4316, 4142..4561, 4403..4558		

Seq. No.	48997	Seq. ID	OJ990602_02.0421.C28
Gene No.	104366	Strand	-
Start	7456	End	7716
Name	OJ990602_02.0421.C28.o1.ts	Method	TBLASTX:Soybean
Start	4144	End	4600
GI	none	Score	320
Exons	4144..4542, 4148..4564, 4403..4558, 4562..4600		

Seq. No.	48997	Seq. ID	OJ990602_02.0421.C28
Gene No.	104366	Strand	-
Start	7456	End	7716
Name	OJ990602_02.0421.C28.o1.tc	Method	TBLASTX:Cress
Start	4228	End	5951
GI	none	Score	131
Exons	4228..4539, 4547..4699, 4704..4853, 5478..5720, 5760..5951		

Seq. No.	48997	Seq. ID	OJ990602_02.0421.C28
Gene No.	104366	Strand	-
Start	7456	End	7716
Name	OJ990602_02.0421.C28.o4.tm	Method	TBLASTX:Maize
Start	4595	End	4854
GI	none	Score	64
Exons	4595..4690, 4696..4755, 4704..4757, 4743..4853, 4756..4854		

Seq. No.	48997	Seq. ID	OJ990602_02.0421.C28
Gene No.	104366	Strand	-
Start	7456	End	7716
Name	OJ990602_02.0421.C28.o1.tw	Method	TBLASTX:Wheat

Start	4716	End	4955
GI	none	Score	140
Exons	4716..4898, 4716..4919, 4717..4917, 4887..4955, 4896..4940, 4898..4954		

Seq. No.	48997	Seq. ID	OJ990602_02.0421.C28
Gene No.	104366	Strand	-
Start	7456	End	7716
Name	OJ990602_02.0421.C28.o3.tm	Method	TBLASTX:Maize
Start	5156	End	5333
GI	none	Score	232
Exons	5156..5332, 5157..5333		

Seq. No.	48997	Seq. ID	OJ990602_02.0421.C28
Gene No.	104366	Strand	-
Start	7456	End	7716
Name	OJ990602_02.0421.C28.o2.ts	Method	TBLASTX:Soybean
Start	5279	End	6110
GI	none	Score	61
Exons	5279..5332, 5283..5333, 5493..5741, 5596..5724, 5755..5850, 5757..5951, 6033..6110		

Seq. No.	48997	Seq. ID	OJ990602_02.0421.C28
Gene No.	104366	Strand	-
Start	7456	End	7716
Name	OJ990602_02.0421.C28.o2.tm	Method	TBLASTX:Maize
Start	5499	End	5801
GI	none	Score	182
Exons	5499..5759, 5500..5724, 5724..5801, 5758..5799		

Seq. No.	48997	Seq. ID	OJ990602_02.0421.C28
Gene No.	104366	Strand	-
Start	7456	End	7716
Name	OJ990602_02.0421.C28.o3.gs	Method	GENSCAN
Start	7456	End	7716
GI	none	Score	.84
Exons	7456..7716		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104367	Strand	+
Start	474	End	557
Name	OJ990602_02.0421.C29.o1.gs	Method	GENSCAN
Start	474	End	557
GI	none	Score	.64
Exons	474..557		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104368	Strand	+
Start	1985	End	3334
Name	OJ990602_02.0421.C29.o3.gs	Method	GENSCAN
Start	1985	End	3334
GI	none	Score	.93
Exons	1985..2073, 2125..2261, 2965..3014, 3188..3334		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104369	Strand	+
Start	3310	End	7364

Name	OJ990602_02.0421.C29.o3.np	Method	AAT/NAP
Start	3310	End	7364
GI	6630549	Score	117
Exons	3310..3332, 5840..5951, 6090..6309, 7345..7364		
GI Descrip.	(AC011708) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104369	Strand	+
Start	3310	End	7364
Name	OJ990602_02.0421.C29.o4.np	Method	AAT/NAP
Start	3826	End	6210
GI	7022528	Score	40
Exons	3826..3897, 5852..5934, 6110..6210		
GI Descrip.	(AK001334) unnamed protein product [Homo sapiens]		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104370	Strand	-
Start	843	End	1357
Name	OJ990602_02.0421.C29.o1.gp	Method	AAT/GAP
Start	818	End	1357
GI	7390_1.R1084	Score	1033
Exons	818..1357		
GI Descrip.	'3880441/emb|CAB04890.1| 2.0e-10 (Z82062) similar to Zinc finger, C3HC4 type (RING finger); cDNA EST EMBL:D76353 comes from this gene; cDNA EST EMBL:D71838 comes from this gene; cDNA EST EMBL:D74561 comes from this gene; cDNA EST EMBL:D73319 comes from this '		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104370	Strand	-
Start	843	End	1357
Name	OJ990602_02.0421.C29.o2.gs	Method	GENSCAN
Start	843	End	1283
GI	none	Score	.99
Exons	843..1283		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104370	Strand	-
Start	843	End	1357
Name	OJ990602_02.0421.C29.o1.np	Method	AAT/NAP
Start	846	End	1349
GI	7488763	Score	200
Exons	846..920, 957..1349		
GI Descrip.	DnaJ protein homolog - kidney bean (fragment) gi|1684851|gb|AAB36543.1| (U77935) DnaJ-like protein [Phaseolus vulgaris]		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104371	Strand	-
Start	4484	End	6705
Name	OJ990602_02.0421.C29.o2.ts	Method	TBLASTX:Soybean
Start	843	End	1154
GI	none	Score	42
Exons	843..863, 844..876, 969..1052, 994..1044, 1048..1146, 1053..1154		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29

Gene No.	104371	Strand	-
Start	4484	End	6705
Name	OJ990602_02.0421.C29.o2.tw	Method	TBLASTX:Wheat
Start	928	End	1154
GI	none	Score	41
Exons	928..951, 984..1154, 994..1146, 1083..1148		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104371	Strand	-
Start	4484	End	6705
Name	OJ990602_02.0421.C29.o2.tm	Method	TBLASTX:Maize
Start	945	End	1293
GI	none	Score	46
Exons	945..1055, 994..1044, 1036..1155, 1041..1154, 1270..1293		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104371	Strand	-
Start	4484	End	6705
Name	OJ990602_02.0421.C29.o2.gp	Method	AAT/GAP
Start	4187	End	4953
GI	2311727	Score	829
Exons	4187..4506, 4753..4861, 4931..4953		
GI Descrip.	3880441/emb|CAB04890.1| 2.0e-10 (Z82062) similar to Zinc finger, C3HC4 type (RING finger); cDNA EST EMBL:D76353 comes from this gene; cDNA EST EMBL:D71838 comes from this gene; cDNA EST EMBL:D74561 comes from this gene; cDNA EST EMBL:D73319 comes from this		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104371	Strand	-
Start	4484	End	6705
Name	OJ990602_02.0421.C29.o1.tw	Method	TBLASTX:Wheat
Start	4453	End	5022
GI	none	Score	63
Exons	4453..4509, 4454..4507, 4748..4870, 4748..4861, 4750..4863, 4922..5020, 4924..5022		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104371	Strand	-
Start	4484	End	6705
Name	OJ990602_02.0421.C29.o2.np	Method	AAT/NAP
Start	4471	End	6334
GI	6522599	Score	158
Exons	4471..4506, 4753..4861, 4931..5052, 5154..5180, 6220..6334		
GI Descrip.	(AL133292) zinc-finger-like protein [Arabidopsis thaliana]		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104371	Strand	-
Start	4484	End	6705
Name	OJ990602_02.0421.C29.o4.gs	Method	GENSCAN
Start	4484	End	6660
GI	none	Score	.92
Exons	4484..4506, 4830..4861, 4931..5052, 5154..5195, 5850..5950, 6069..6378, 6481..6660		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104371	Strand	-

Start	4484	End	6705
Name	OJ990602_02.0421.C29.o1.tm	Method	TBLASTX:Maize
Start	4748	End	5198
GI	none	Score	186
Exons	4748..4870, 4749..4853, 4750..4863, 4922..5053, 4924..5052, 4937..5053, 4938..5054, 5154..5198, 5154..5195		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104371	Strand	-
Start	4484	End	6705
Name	OJ990602_02.0421.C29.o1.tc	Method	TBLASTX:Cress
Start	4750	End	5017
GI	none	Score	104
Exons	4750..4860, 4751..4861, 4922..5017, 4924..5016		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104371	Strand	-
Start	4484	End	6705
Name	OJ990602_02.0421.C29.o1.ts	Method	TBLASTX:Soybean
Start	4750	End	5057
GI	none	Score	111
Exons	4750..4860, 4751..4861, 4922..5053, 4924..5052, 4974..5057		

Seq. No.	48998	Seq. ID	OJ990602_02.0421.C29
Gene No.	104371	Strand	-
Start	4484	End	6705
Name	OJ990602_02.0421.C29.o3.gp	Method	AAT/GAP
Start	6084	End	6705
GI	none	Score	1016
Exons	6084..6378, 6481..6705		

Seq. No.	48999	Seq. ID	OJ990602_02.0421.C30
Gene No.	104372	Strand	-
Start	1	End	4310
Name	OJ990602_02.0421.C30.o1.np	Method	AAT/NAP
Start	1	End	4155
GI	4803924	Score	945
Exons	1..30, 826..926, 1496..1577, 1662..1802, 2216..2415, 3942..4155		
GI Descrip.	(AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]		

Seq. No.	48999	Seq. ID	OJ990602_02.0421.C30
Gene No.	104372	Strand	-
Start	1	End	4310
Name	OJ990602_02.0421.C30.o1.gs	Method	GENSCAN
Start	12	End	4164
GI	none	Score	.84
Exons	12..181, 830..954, 1662..1802, 2216..2415, 3942..4164		

Seq. No.	48999	Seq. ID	OJ990602_02.0421.C30
Gene No.	104372	Strand	-
Start	1	End	4310
Name	OJ990602_02.0421.C30.o1.gp	Method	AAT/GAP
Start	519	End	4310
GI	8486_1.R1084	Score	1971
Exons	519..755, 830..955, 1498..1577, 1662..1802, 2216..2415, 3942..4310		

GI Descrip. '4803924/gb|AAD29797.1|AC006264_5 1.0e-103 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]'

Seq. No.	48999	Seq. ID	OJ990602_02.0421.C30
Gene No.	104372	Strand	-
Start	1	End	4310
Name	OJ990602_02.0421.C30.o1.tm	Method	TBLASTX:Maize
Start	695	End	1821
GI	none	Score	74
Exons	695..757, 708..758, 823..960, 830..961, 1491..1580, 1492..1578, 1497..1580, 1659..1808, 1662..1808, 1666..1821		

Seq. No.	48999	Seq. ID	OJ990602_02.0421.C30
Gene No.	104372	Strand	-
Start	1	End	4310
Name	OJ990602_02.0421.C30.o1.ts	Method	TBLASTX:Soybean
Start	707	End	4147
GI	none	Score	73
Exons	707..757, 711..758, 823..960, 830..961, 1497..1580, 1497..1580, 1659..1820, 1662..1796, 1666..1803, 2211..2426, 2213..2419, 3940..4143, 3941..4147		

Seq. No.	48999	Seq. ID	OJ990602_02.0421.C30
Gene No.	104372	Strand	-
Start	1	End	4310
Name	OJ990602_02.0421.C30.o2.tc	Method	TBLASTX:Cress
Start	707	End	1535
GI	none	Score	78
Exons	707..757, 708..758, 830..961, 832..960, 1497..1535		

Seq. No.	48999	Seq. ID	OJ990602_02.0421.C30
Gene No.	104372	Strand	-
Start	1	End	4310
Name	OJ990602_02.0421.C30.o3.tc	Method	TBLASTX:Cress
Start	1665	End	1814
GI	none	Score	96
Exons	1665..1814, 1666..1803		

Seq. No.	48999	Seq. ID	OJ990602_02.0421.C30
Gene No.	104372	Strand	-
Start	1	End	4310
Name	OJ990602_02.0421.C30.o3.tm	Method	TBLASTX:Maize
Start	2213	End	2374
GI	none	Score	164
Exons	2213..2374, 2213..2374		

Seq. No.	48999	Seq. ID	OJ990602_02.0421.C30
Gene No.	104372	Strand	-
Start	1	End	4310
Name	OJ990602_02.0421.C30.o1.tc	Method	TBLASTX:Cress
Start	2225	End	4147
GI	none	Score	118
Exons	2225..2419, 2274..2426, 3940..4143, 3941..4147		

Seq. No.	48999	Seq. ID	OJ990602_02.0421.C30
Gene No.	104372	Strand	-
Start	1	End	4310

Name	OJ990602_02.0421.C30.o1.tw	Method	TBLASTX:Wheat
Start	2234	End	4128
GI	none	Score	172
Exons	2234..2419, 2236..2397, 2271..2426, 3940..4128, 3941..4123		

Seq. No.	48999	Seq. ID	OJ990602_02.0421.C30
Gene No.	104372	Strand	-
Start	1	End	4310
Name	OJ990602_02.0421.C30.o2.tm	Method	TBLASTX:Maize
Start	2376	End	4147
GI	none	Score	59
Exons	2376..2426, 2378..2419, 3940..3987, 3940..4143, 3941..4147		

Seq. No.	49000	Seq. ID	OJ990602_02.0421.C31
Gene No.	104373	Strand	+
Start	1	End	117
Name	OJ990602_02.0421.C31.o1.np	Method	AAT/NAP
Start	1	End	117
GI	5042454	Score	74
Exons	1..117		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	49000	Seq. ID	OJ990602_02.0421.C31
Gene No.	104374	Strand	+
Start	64	End	858
Name	OJ990602_02.0421.C31.o1.gs	Method	GENSCAN
Start	64	End	858
GI	none	Score	.69
Exons	64..234, 310..386, 490..858		

Seq. No.	49001	Seq. ID	OJ990602_02.0421.C35
Gene No.	104375	Strand	-
Start	3977	End	4926
Name	OJ990602_02.0421.C35.o2.gs	Method	GENSCAN
Start	3977	End	4926
GI	none	Score	.67
Exons	3977..4115, 4682..4926		

Seq. No.	49001	Seq. ID	OJ990602_02.0421.C35
Gene No.	104376	Strand	-
Start	4940	End	5029
Name	OJ990602_02.0421.C35.o1.gp	Method	AAT/GAP
Start	4940	End	5029
GI	5867_1.R1084	Score	135
Exons	4940..5029		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	49002	Seq. ID	OJ990512_07.0419.C3
Gene No.	104377	Strand	-
Start	206	End	486
Name	OJ990512_07.0419.C3.o1.tc	Method	TBLASTX:Cress

Start	1	End	486
GI	none	Score	49
Exons	1..36, 1..45, 11..46, 84..221, 130..222, 139..222, 140..226, 146..238, 150..263, 245..289, 314..355, 315..353, 329..355, 342..485, 344..484, 364..486		

Seq. No.	49002	Seq. ID	OJ990512_07.0419.C3
Gene No.	104377	Strand	-
Start	206	End	486
Name	OJ990512_07.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	198	End	458
GI	none	Score	122
Exons	198..221, 200..226, 210..287, 214..288, 218..313, 258..458, 278..457		

Seq. No.	49002	Seq. ID	OJ990512_07.0419.C3
Gene No.	104377	Strand	-
Start	206	End	486
Name	OJ990512_07.0419.C3.o1.gp	Method	AAT/GAP
Start	206	End	474
GI	40596_1.R1084	Score	450
Exons	206..474		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	49003	Seq. ID	OJ990222_08.0420.C1
Gene No.	104378	Strand	-
Start	1	End	3817
Name	OJ990222_08.0420.C1.o1.np	Method	AAT/NAP
Start	1	End	3817
GI	1076802	Score	61
Exons	1..52, 128..663, 2736..2837, 3781..3817		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	49003	Seq. ID	OJ990222_08.0420.C1
Gene No.	104378	Strand	-
Start	1	End	3817
Name	OJ990222_08.0420.C1.o1.gp	Method	AAT/GAP
Start	1594	End	1672
GI	LIB3477-003-P1-K1-E9	Score	81
Exons	1594..1672		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	49004	Seq. ID	OJ990222_08.0420.C4
Gene No.	104379	Strand	+
Start	1208	End	2772
Name	OJ990222_08.0420.C4.o1.gp	Method	AAT/GAP
Start	1208	End	2701
GI	329_1.R1084	Score	1285
Exons	1208..1382, 1794..1914, 2004..2155, 2239..2431, 2581..2701		
GI Descrip.	'267056/sp|P30298|SUS1_ORYSA 0.0e+00 SUCROSE SYNTHASE 1 (SUCROSE-UDP GLUCOSYLTRANSFERASE 1) >gi_100710_pir__S25526 sucrose synthase (EC 2.4.1.13) - rice >gi_20374_emb_CAA78747_		

(Z15028) sucrose synthase [Oryza sativa]'

Seq. No.	49004	Seq. ID	OJ990222_08.0420.C4
Gene No.	104379	Strand	+
Start	1208	End	2772
Name	OJ990222_08.0420.C4.o1.tw	Method	TBLASTX:Wheat
Start	1271	End	2155
GI	none	Score	118
Exons	1271..1384, 1272..1379, 1279..1383, 1283..1384, 1785..1916, 1792..1914, 1792..1917, 1793..1933, 1983..2150, 2003..2149, 2003..2155		

Seq. No.	49004	Seq. ID	OJ990222_08.0420.C4
Gene No.	104379	Strand	+
Start	1208	End	2772
Name	OJ990222_08.0420.C4.o1.tm	Method	TBLASTX:Maize
Start	1280	End	2702
GI	none	Score	125
Exons	1280..1384, 1284..1376, 1288..1383, 1792..1914, 1792..1917, 1793..1933, 1983..2156, 1984..2157, 2003..2158, 2240..2431, 2242..2334, 2242..2436, 2261..2431, 2566..2700, 2579..2701, 2580..2702		

Seq. No.	49004	Seq. ID	OJ990222_08.0420.C4
Gene No.	104379	Strand	+
Start	1208	End	2772
Name	OJ990222_08.0420.C4.o1.np	Method	AAT/NAP
Start	1288	End	2772
GI	283008	Score	1039
Exons	1288..1382, 1794..1914, 2004..2155, 2239..2431, 2581..2772		
GI Descrip.	sucrose synthase (EC 2.4.1.13) - rice gi|20366|emb|CAA46017| (X64770) sucrose synthase [Oryza sativa]		

Seq. No.	49004	Seq. ID	OJ990222_08.0420.C4
Gene No.	104379	Strand	+
Start	1208	End	2772
Name	OJ990222_08.0420.C4.o1.gs	Method	GENSCAN
Start	1288	End	2699
GI	none	Score	.98
Exons	1288..1382, 1794..1914, 2004..2155, 2239..2431, 2581..2699		

Seq. No.	49004	Seq. ID	OJ990222_08.0420.C4
Gene No.	104379	Strand	+
Start	1208	End	2772
Name	OJ990222_08.0420.C4.o1.ts	Method	TBLASTX:Soybean
Start	1297	End	2697
GI	none	Score	78
Exons	1297..1383, 1786..1851, 2000..2182, 2004..2156, 2239..2427, 2261..2428, 2584..2697		

Seq. No.	49004	Seq. ID	OJ990222_08.0420.C4
Gene No.	104379	Strand	+
Start	1208	End	2772
Name	OJ990222_08.0420.C4.o1.tc	Method	TBLASTX:Cress
Start	1986	End	2428
GI	none	Score	153
Exons	1986..2153, 2003..2152, 2251..2331, 2261..2332, 2330..2428,		

2335..2427

Seq. No.	49005	Seq. ID	OJ990222_08.0420.C6
Gene No.	104380	Strand	+
Start	1	End	1959
Name	OJ990222_08.0420.C6.o1.gp	Method	AAT/GAP
Start	1	End	1959
GI	329_1.R1084	Score	2281
Exons	1..26, 77..304, 644..962, 1093..1337, 1449..1587, 1685..1959		
GI Descrip.	'267056/sp|P30298|SUS1_ORYSA 0.0e+00 SUCROSE SYNTHASE 1 (SUCROSE-UDP GLUCOSYLTRANSFERASE 1) >gi_100710_pir__S25526 sucrose synthase (EC 2.4.1.13) - rice >gi_20374_emb_CAA78747_ (Z15028) sucrose synthase [Oryza sativa]'		

Seq. No.	49005	Seq. ID	OJ990222_08.0420.C6
Gene No.	104380	Strand	+
Start	1	End	1959
Name	OJ990222_08.0420.C6.o1.np	Method	AAT/NAP
Start	1	End	1729
GI	267056	Score	1579
Exons	1..304, 644..962, 1093..1337, 1449..1587, 1685..1729		
GI Descrip.	SUCROSE SYNTHASE 1 (SUCROSE-UDP GLUCOSYLTRANSFERASE 1) gi|100710|pir||S25526 sucrose synthase (EC 2.4.1.13) - rice gi|20374|emb|CAA78747| (Z15028) sucrose synthase [Oryza sativa]		

Seq. No.	49005	Seq. ID	OJ990222_08.0420.C6
Gene No.	104380	Strand	+
Start	1	End	1959
Name	OJ990222_08.0420.C6.o1.gs	Method	GENSCAN
Start	80	End	1732
GI	none	Score	.98
Exons	80..304, 644..962, 1093..1337, 1449..1587, 1685..1732		

Seq. No.	49005	Seq. ID	OJ990222_08.0420.C6
Gene No.	104381	Strand	-
Start	1808	End	2144
Name	OJ990222_08.0420.C6.o1.tm	Method	TBLASTX:Maize
Start	77	End	1593
GI	none	Score	390
Exons	77..316, 78..314, 640..948, 641..958, 642..974, 846..962, 1092..1340, 1092..1340, 1093..1347, 1442..1588, 1446..1592, 1447..1593, 1450..1587		

Seq. No.	49005	Seq. ID	OJ990222_08.0420.C6
Gene No.	104381	Strand	-
Start	1808	End	2144
Name	OJ990222_08.0420.C6.o2.tw	Method	TBLASTX:Wheat
Start	77	End	327
GI	none	Score	373
Exons	77..316, 78..314, 78..323, 226..327		

Seq. No.	49005	Seq. ID	OJ990222_08.0420.C6
Gene No.	104381	Strand	-
Start	1808	End	2144
Name	OJ990222_08.0420.C6.o1.ts	Method	TBLASTX:Soybean
Start	135	End	1593
GI	none	Score	75

Exons	135..209, 143..202, 222..314, 229..315, 233..316, 641..958, 642..974, 846..962, 1092..1340, 1092..1340, 1093..1347, 1442..1588, 1446..1592, 1447..1593, 1450..1587		
Seq. No.	49005	Seq. ID	OJ990222_08.0420.C6
Gene No.	104381	Strand	-
Start	1808	End	2144
Name	OJ990222_08.0420.C6.o1.tc	Method	TBLASTX:Cress
Start	152	End	1587
GI	none	Score	229
Exons	152..313, 153..314, 156..317, 644..976, 648..974, 1092..1340, 1093..1347, 1440..1580, 1447..1587, 1450..1587		
Seq. No.	49005	Seq. ID	OJ990222_08.0420.C6
Gene No.	104381	Strand	-
Start	1808	End	2144
Name	OJ990222_08.0420.C6.o1.tw	Method	TBLASTX:Wheat
Start	647	End	1473
GI	none	Score	435
Exons	647..955, 648..950, 1092..1229, 1092..1340, 1093..1347, 1440..1472, 1447..1473		
Seq. No.	49005	Seq. ID	OJ990222_08.0420.C6
Gene No.	104381	Strand	-
Start	1808	End	2144
Name	OJ990222_08.0420.C6.o3.tw	Method	TBLASTX:Wheat
Start	1479	End	1732
GI	none	Score	67
Exons	1479..1592, 1480..1593, 1480..1581, 1685..1732		
Seq. No.	49005	Seq. ID	OJ990222_08.0420.C6
Gene No.	104381	Strand	-
Start	1808	End	2144
Name	OJ990222_08.0420.C6.o2.gp	Method	AAT/GAP
Start	1808	End	2144
GI	uC-osflcyp105d10a1	Score	411
Exons	1808..2144		
GI Descrip.	'20365/emb|X64770|OSRSS1A 9.0e-67 O.sativa RSs1 gene for sucrose synthase'		
Seq. No.	49006	Seq. ID	OJ990222_08.0420.C7
Gene No.	104382	Strand	-
Start	2645	End	2745
Name	OJ990222_08.0420.C7.o1.tm	Method	TBLASTX:Maize
Start	730	End	999
GI	none	Score	77
Exons	730..999, 851..997		
Seq. No.	49006	Seq. ID	OJ990222_08.0420.C7
Gene No.	104382	Strand	-
Start	2645	End	2745
Name	OJ990222_08.0420.C7.o1.tw	Method	TBLASTX:Wheat
Start	1078	End	1438
GI	none	Score	100
Exons	1078..1218, 1086..1223, 1091..1246, 1256..1438		
Seq. No.	49006	Seq. ID	OJ990222_08.0420.C7

Gene No.	104382	Strand	-
Start	2645	End	2745
Name	OJ990222_08.0420.C7.o2.tm	Method	TBLASTX:Maize
Start	1172	End	1463
GI	none	Score	58
Exons	1172..1240, 1197..1283, 1268..1462, 1275..1463		

Seq. No.	49006	Seq. ID	OJ990222_08.0420.C7
Gene No.	104382	Strand	-
Start	2645	End	2745
Name	OJ990222_08.0420.C7.o2.gs	Method	GENSCAN
Start	2645	End	2745
GI	none	Score	.89
Exons	2645..2745		

Seq. No.	49007	Seq. ID	OJ990222_08.0420.C8
Gene No.	104383	Strand	+
Start	131	End	376
Name	OJ990222_08.0420.C8.o1.gs	Method	GENSCAN
Start	131	End	376
GI	none	Score	.74
Exons	131..376		

Seq. No.	49008	Seq. ID	OJ990222_08.0420.C11
Gene No.	104384	Strand	-
Start	61	End	446
Name	OJ990222_08.0420.C11.o1.gp	Method	AAT/GAP
Start	61	End	446
GI	2311629	Score	425
Exons	61..175, 300..446		

Seq. No.	49008	Seq. ID	OJ990222_08.0420.C11
Gene No.	104384	Strand	-
Start	61	End	446
Name	OJ990222_08.0420.C11.o1.gs	Method	GENSCAN
Start	65	End	428
GI	none	Score	.78
Exons	65..175, 300..428		

Seq. No.	49009	Seq. ID	OJ990222_08.0420.C13
Gene No.	104385	Strand	+
Start	373	End	756
Name	OJ990222_08.0420.C13.o1.gs	Method	GENSCAN
Start	373	End	756
GI	none	Score	.57
Exons	373..553, 580..756		

Seq. No.	49009	Seq. ID	OJ990222_08.0420.C13
Gene No.	104386	Strand	+
Start	2363	End	2636
Name	OJ990222_08.0420.C13.o1.gp	Method	AAT/GAP
Start	2363	End	2636
GI	959_1.R1084	Score	532
Exons	2363..2636		
GI Descrip.	'3264767 2.0e-44 (AF071893) AP2 domain containing protein [Prunus armeniaca]'		

Seq. No.	49009	Seq. ID	OJ990222_08.0420.C13
Gene No.	104386	Strand	+
Start	2363	End	2636
Name	OJ990222_08.0420.C13.o1.np	Method	AAT/NAP
Start	2477	End	2636
GI	6176534	Score	264
Exons	2477..2636		
GI Descrip.	(AF190770) EREBP-like protein [Oryza sativa]		

Seq. No.	49010	Seq. ID	OJ990222_08.0420.C14
Gene No.	104387	Strand	+
Start	1	End	1442
Name	OJ990222_08.0420.C14.o1.gp	Method	AAT/GAP
Start	1	End	1442
GI	959_1.R1084	Score	2558
Exons	1..896, 982..1442		
GI Descrip.	'3264767 2.0e-44 (AF071893) AP2 domain containing protein [Prunus armeniaca]'		

Seq. No.	49010	Seq. ID	OJ990222_08.0420.C14
Gene No.	104387	Strand	+
Start	1	End	1442
Name	OJ990222_08.0420.C14.o1.np	Method	AAT/NAP
Start	1	End	846
GI	6176534	Score	1372
Exons	1..846		
GI Descrip.	(AF190770) EREBP-like protein [Oryza sativa]		

Seq. No.	49010	Seq. ID	OJ990222_08.0420.C14
Gene No.	104387	Strand	+
Start	1	End	1442
Name	OJ990222_08.0420.C14.o1.gs	Method	GENSCAN
Start	71	End	849
GI	none	Score	.97
Exons	71..849		

Seq. No.	49010	Seq. ID	OJ990222_08.0420.C14
Gene No.	104388	Strand	-
Start	4711	End	5845
Name	OJ990222_08.0420.C14.o1.tm	Method	TBLASTX:Maize
Start	27	End	985
GI	none	Score	255
Exons	27..188, 36..290, 37..291, 37..276, 83..289, 286..420, 430..483, 435..482, 492..632, 502..612, 603..851, 604..852, 859..888, 863..907, 950..985		

Seq. No.	49010	Seq. ID	OJ990222_08.0420.C14
Gene No.	104388	Strand	-
Start	4711	End	5845
Name	OJ990222_08.0420.C14.o1.ts	Method	TBLASTX:Soybean
Start	34	End	849
GI	none	Score	273
Exons	34..303, 99..191, 571..600, 685..723, 721..798, 799..849		

Seq. No.	49010	Seq. ID	OJ990222_08.0420.C14
Gene No.	104388	Strand	-
Start	4711	End	5845

Name	OJ990222_08.0420.C14.o1.tc	Method	TBLASTX:Cress
Start	67	End	597
GI	none	Score	253
Exons	67..276, 76..204, 108..275, 511..552, 571..597		

Seq. No.	49010	Seq. ID	OJ990222_08.0420.C14
Gene No.	104388	Strand	-
Start	4711	End	5845
Name	OJ990222_08.0420.C14.o1.tw	Method	TBLASTX:Wheat
Start	704	End	893
GI	none	Score	178
Exons	704..850, 705..893, 706..852		

Seq. No.	49010	Seq. ID	OJ990222_08.0420.C14
Gene No.	104388	Strand	-
Start	4711	End	5845
Name	OJ990222_08.0420.C14.o2.gs	Method	GENSCAN
Start	4711	End	5845
GI	none	Score	.79
Exons	4711..5104, 5762..5845		

Seq. No.	49011	Seq. ID	OJ990222_08.0420.C16
Gene No.	104389	Strand	-
Start	781	End	1007
Name	OJ990222_08.0420.C16.o1.gs	Method	GENSCAN
Start	781	End	1007
GI	none	Score	.69
Exons	781..1007		

Seq. No.	49012	Seq. ID	OJ990222_08.0420.C17
Gene No.	104390	Strand	-
Start	478	End	666
Name	OJ990222_08.0420.C17.o1.gs	Method	GENSCAN
Start	478	End	666
GI	none	Score	.47
Exons	478..666		

Seq. No.	49013	Seq. ID	OJ990222_08.0420.C18
Gene No.	104391	Strand	+
Start	961	End	1751
Name	OJ990222_08.0420.C18.o1.gs	Method	GENSCAN
Start	961	End	1751
GI	none	Score	.52
Exons	961..985, 1627..1751		

Seq. No.	49013	Seq. ID	OJ990222_08.0420.C18
Gene No.	104392	Strand	-
Start	897	End	1490
Name	OJ990222_08.0420.C18.o1.np	Method	AAT/NAP
Start	897	End	1490
GI	6069646	Score	626
Exons	897..1490		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49013	Seq. ID	OJ990222_08.0420.C18
Gene No.	104392	Strand	-
Start	897	End	1490
Name	OJ990222_08.0420.C18.o1.tm	Method	TBLASTX:Maize
Start	912	End	1472
GI	none	Score	233
Exons	912..1073, 1161..1472		

Seq. No.	49013	Seq. ID	OJ990222_08.0420.C18
Gene No.	104392	Strand	-
Start	897	End	1490
Name	OJ990222_08.0420.C18.o1.tw	Method	TBLASTX:Wheat
Start	1188	End	1377
GI	none	Score	76
Exons	1188..1376, 1192..1377		

Seq. No.	49014	Seq. ID	OJ990222_08.0420.C20
Gene No.	104393	Strand	+
Start	523	End	636
Name	OJ990222_08.0420.C20.o1.gs	Method	GENSCAN
Start	523	End	636
GI	none	Score	.43
Exons	523..636		

Seq. No.	49015	Seq. ID	OJ990222_08.0420.C22
Gene No.	104394	Strand	+
Start	917	End	1112
Name	OJ990222_08.0420.C22.o1.gs	Method	GENSCAN
Start	917	End	1112
GI	none	Score	.78
Exons	917..1012, 1050..1112		

Seq. No.	49016	Seq. ID	OJ990222_08.0420.C27
Gene No.	104395	Strand	+
Start	1	End	1415
Name	OJ990222_08.0420.C27.o1.np	Method	AAT/NAP
Start	1	End	1415
GI	7485154	Score	59
Exons	1..92, 1341..1415		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244955|emb|CAB10376.1| (Z97340) regulatory protein [Arabidopsis thaliana] gi|7268345|emb|CAB78639.1| (AL161542) regulatory protein [Arabidopsis thaliana]		

Seq. No.	49016	Seq. ID	OJ990222_08.0420.C27
Gene No.	104395	Strand	+
Start	1	End	1415
Name	OJ990222_08.0420.C27.o1.gs	Method	GENSCAN
Start	26	End	568
GI	none	Score	.99
Exons	26..568		

Seq. No.	49016	Seq. ID	OJ990222_08.0420.C27
Gene No.	104396	Strand	-
Start	495	End	798
Name	OJ990222_08.0420.C27.o1.gp	Method	AAT/GAP

Start	495	End	798
GI	uC-osroM202008a01b1	Score	596
Exons	495..798		
GI Descrip.	'2980768/emb|CAA18195.1| 4.0e-28 (AL022198) putative protein [Arabidopsis thaliana]'		

Seq. No.	49017	Seq. ID	OJ990222_08.0420.C32
Gene No.	104397	Strand	+
Start	541	End	1152
Name	OJ990222_08.0420.C32.o1.gs	Method	GENSCAN
Start	541	End	1152
GI	none	Score	.62
Exons	541..560, 717..1152		

Seq. No.	49018	Seq. ID	OJ990222_08.0420.C33
Gene No.	104398	Strand	+
Start	15	End	1771
Name	OJ990222_08.0420.C33.o1.gs	Method	GENSCAN
Start	15	End	1771
GI	none	Score	.51
Exons	15..54, 1661..1771		

Seq. No.	49019	Seq. ID	OJ990222_08.0420.C34
Gene No.	104399	Strand	+
Start	460	End	1702
Name	OJ990222_08.0420.C34.o1.gs	Method	GENSCAN
Start	460	End	1702
GI	none	Score	.42
Exons	460..647, 681..859, 1641..1702		

Seq. No.	49020	Seq. ID	OJ990222_08.0420.C35
Gene No.	104400	Strand	-
Start	726	End	835
Name	OJ990222_08.0420.C35.o1.gs	Method	GENSCAN
Start	726	End	835
GI	none	Score	.5
Exons	726..835		

Seq. No.	49021	Seq. ID	OJ990222_08.0420.C41
Gene No.	104401	Strand	-
Start	830	End	1277
Name	OJ990222_08.0420.C41.o1.gs	Method	GENSCAN
Start	830	End	1277
GI	none	Score	.49
Exons	830..874, 1230..1277		

Seq. No.	49022	Seq. ID	OJ990222_08.0420.C42
Gene No.	104402	Strand	-
Start	1646	End	2068
Name	OJ990222_08.0420.C42.o1.gs	Method	GENSCAN
Start	1646	End	1965
GI	none	Score	.68
Exons	1646..1832, 1943..1965		

Seq. No.	49022	Seq. ID	OJ990222_08.0420.C42
Gene No.	104402	Strand	-
Start	1646	End	2068

Name	OJ990222_08.0420.C42.o1.tm	Method	TBLASTX:Maize
Start	1646	End	2068
GI	none	Score	142
Exons	1646..1858, 1646..1858, 1943..2068, 1946..2068		

Seq. No.	49023	Seq. ID	OJ990222_08.0420.C45
Gene No.	104403	Strand	+
Start	1	End	320
Name	OJ990222_08.0420.C45.o1.np	Method	AAT/NAP
Start	1	End	320
GI	7447369	Score	260
Exons	1..320		
GI Descrip.	pectinesterase homolog T9J22.11 - Arabidopsis thaliana gi|2739369|gb|AAC14493.1| (AC002505) putative pectinesterase [Arabidopsis thaliana]		

Seq. No.	49023	Seq. ID	OJ990222_08.0420.C45
Gene No.	104404	Strand	-
Start	1577	End	2261
Name	OJ990222_08.0420.C45.o1.tc	Method	TBLASTX:Cress
Start	12	End	308
GI	none	Score	117
Exons	12..122, 141..308, 155..304		

Seq. No.	49023	Seq. ID	OJ990222_08.0420.C45
Gene No.	104404	Strand	-
Start	1577	End	2261
Name	OJ990222_08.0420.C45.o1.ts	Method	TBLASTX:Soybean
Start	12	End	323
GI	none	Score	96
Exons	12..116, 140..313, 141..323		

Seq. No.	49023	Seq. ID	OJ990222_08.0420.C45
Gene No.	104404	Strand	-
Start	1577	End	2261
Name	OJ990222_08.0420.C45.o2.tm	Method	TBLASTX:Maize
Start	21	End	305
GI	none	Score	107
Exons	21..122, 141..305, 158..304		

Seq. No.	49023	Seq. ID	OJ990222_08.0420.C45
Gene No.	104404	Strand	-
Start	1577	End	2261
Name	OJ990222_08.0420.C45.o2.gp	Method	AAT/GAP
Start	1521	End	2261
GI	none	Score	818
Exons	1521..1682, 1838..1962, 2084..2261		

Seq. No.	49023	Seq. ID	OJ990222_08.0420.C45
Gene No.	104404	Strand	-
Start	1577	End	2261
Name	OJ990222_08.0420.C45.o2.gs	Method	GENSCAN
Start	1577	End	2236
GI	none	Score	.8
Exons	1577..1682, 1838..1962, 2084..2236		

Seq. No.	49023	Seq. ID	OJ990222_08.0420.C45

Gene No.	104404	Strand	-
Start	1577	End	2261
Name	OJ990222_08.0420.C45.o1.tm	Method	TBLASTX:Maize
Start	1622	End	2253
GI	none	Score	68
Exons	1622..1684, 1622..1681, 1623..1682, 1837..1974, 1838..1972, 2079..2210, 2081..2233, 2218..2253, 2227..2244		

Seq. No.	49024	Seq. ID	OJ990222_08.0420.C46
Gene No.	104405	Strand	+
Start	358	End	423
Name	OJ990222_08.0420.C46.o1.gs	Method	GENSCAN
Start	358	End	423
GI	none	Score	.83
Exons	358..423		

Seq. No.	49025	Seq. ID	OJ990222_08.0420.C47
Gene No.	104406	Strand	-
Start	28	End	146
Name	OJ990222_08.0420.C47.o1.gs	Method	GENSCAN
Start	28	End	146
GI	none	Score	.68
Exons	28..146		

Seq. No.	49025	Seq. ID	OJ990222_08.0420.C47
Gene No.	104407	Strand	-
Start	867	End	1103
Name	OJ990222_08.0420.C47.o2.gs	Method	GENSCAN
Start	867	End	1103
GI	none	Score	.57
Exons	867..1103		

Seq. No.	49026	Seq. ID	OJ990222_08.0420.C49
Gene No.	104408	Strand	+
Start	373	End	565
Name	OJ990222_08.0420.C49.o1.gs	Method	GENSCAN
Start	373	End	565
GI	none	Score	.4
Exons	373..565		

Seq. No.	49026	Seq. ID	OJ990222_08.0420.C49
Gene No.	104409	Strand	-
Start	1098	End	3723
Name	OJ990222_08.0420.C49.o2.gs	Method	GENSCAN
Start	1098	End	3723
GI	none	Score	.58
Exons	1098..1190, 1913..2110, 2172..2588, 3613..3723		

Seq. No.	49027	Seq. ID	OJ990222_08.0420.C51
Gene No.	104410	Strand	+
Start	176	End	654
Name	OJ990222_08.0420.C51.o1.gp	Method	AAT/GAP
Start	176	End	654
GI	18333_1.R1084	Score	872
Exons	176..654		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	49027	Seq. ID	OJ990222_08.0420.C51
Gene No.	104411	Strand	-
Start	365	End	653
Name	OJ990222_08.0420.C51.o1.tm	Method	TBLASTX:Maize
Start	212	End	653
GI	none	Score	68
Exons	212..259, 294..338, 295..351, 357..440, 362..439, 512..553, 545..652, 573..653		

Seq. No.	49027	Seq. ID	OJ990222_08.0420.C51
Gene No.	104411	Strand	-
Start	365	End	653
Name	OJ990222_08.0420.C51.o1.gs	Method	GENSCAN
Start	365	End	650
GI	none	Score	.62
Exons	365..650		

Seq. No.	49027	Seq. ID	OJ990222_08.0420.C51
Gene No.	104411	Strand	-
Start	365	End	653
Name	OJ990222_08.0420.C51.o1.np	Method	AAT/NAP
Start	368	End	643
GI	5734741	Score	156
Exons	368..643		
GI Descrip.	(AC007651) Similar to Ubiquitin Conjugating Enzyme [Arabidopsis thaliana]		

Seq. No.	49028	Seq. ID	OJ990222_08.0420.C56
Gene No.	104412	Strand	-
Start	669	End	4034
Name	OJ990222_08.0420.C56.o1.np	Method	AAT/NAP
Start	130	End	3297
GI	2980768	Score	247
Exons	130..235, 682..908, 1788..1880, 2570..2635, 2757..2819, 3157..3297		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	49028	Seq. ID	OJ990222_08.0420.C56
Gene No.	104412	Strand	-
Start	669	End	4034
Name	OJ990222_08.0420.C56.o1.gp	Method	AAT/GAP
Start	302	End	690
GI	4716092	Score	734
Exons	302..690		

Seq. No.	49028	Seq. ID	OJ990222_08.0420.C56
Gene No.	104412	Strand	-
Start	669	End	4034
Name	OJ990222_08.0420.C56.o1.tw	Method	TBLASTX:Wheat
Start	557	End	1870
GI	none	Score	240
Exons	557..610, 681..902, 703..903, 704..907, 705..911, 1646..1717, 1654..1716, 1829..1870		

Seq. No.	49028	Seq. ID	OJ990222_08.0420.C56
Gene No.	104412	Strand	-

Start	669	End	4034
Name	OJ990222_08.0420.C56.o1.gs	Method	GENSCAN
Start	669	End	4029
GI	none	Score	.48
Exons	669..908, 1815..1880, 2757..2945, 3046..4029		

Seq. No.	49028	Seq. ID	OJ990222_08.0420.C56
Gene No.	104412	Strand	-
Start	669	End	4034
Name	OJ990222_08.0420.C56.o2.gp	Method	AAT/GAP
Start	776	End	2852
GI	5039098	Score	762
Exons	776..908, 1654..1722, 1815..1880, 2570..2635, 2757..2852		
GI Descrip.	2980768/emb|CAA18195.1| 4.0e-28 (AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	49028	Seq. ID	OJ990222_08.0420.C56
Gene No.	104412	Strand	-
Start	669	End	4034
Name	OJ990222_08.0420.C56.o3.tm	Method	TBLASTX:Maize
Start	1621	End	1886
GI	none	Score	134
Exons	1621..1722, 1622..1723, 1789..1884, 1793..1885, 1806..1886, 1806..1886		

Seq. No.	49028	Seq. ID	OJ990222_08.0420.C56
Gene No.	104412	Strand	-
Start	669	End	4034
Name	OJ990222_08.0420.C56.o1.tm	Method	TBLASTX:Maize
Start	3274	End	3706
GI	none	Score	349
Exons	3274..3315, 3374..3706, 3382..3705		

Seq. No.	49028	Seq. ID	OJ990222_08.0420.C56
Gene No.	104412	Strand	-
Start	669	End	4034
Name	OJ990222_08.0420.C56.o3.gp	Method	AAT/GAP
Start	3437	End	3976
GI	none	Score	948
Exons	3437..3976		

Seq. No.	49028	Seq. ID	OJ990222_08.0420.C56
Gene No.	104412	Strand	-
Start	669	End	4034
Name	OJ990222_08.0420.C56.o2.tm	Method	TBLASTX:Maize
Start	3707	End	4034
GI	none	Score	73
Exons	3707..3808, 3729..3812, 3729..3815, 3730..3816, 3823..4002, 3840..4001, 3981..4034		

Seq. No.	49029	Seq. ID	OJ990222_08.0420.C58
Gene No.	104413	Strand	+
Start	1161	End	2330
Name	OJ990222_08.0420.C58.o1.np	Method	AAT/NAP
Start	1161	End	2330
GI	5042439	Score	378
Exons	1161..1290, 1418..1516, 2043..2103, 2194..2330		

GI Descrip. (AC007789) putative DNA-binding protein [Oryza sativa]

Seq. No.	49029	Seq. ID	OJ990222_08.0420.C58
Gene No.	104414	Strand	-
Start	1192	End	2273
Name	OJ990222_08.0420.C58.o1.gs	Method	GENSCAN
Start	1192	End	2273
GI	none	Score	.84
Exons	1192..1588, 1765..1881, 1954..2184, 2190..2273		

Seq. No.	49030	Seq. ID	OJ990222_08.0420.C59
Gene No.	104415	Strand	-
Start	347	End	1696
Name	OJ990222_08.0420.C59.o1.np	Method	AAT/NAP
Start	347	End	1696
GI	4263827	Score	54
Exons	347..538, 1608..1696		

GI Descrip. (AC006067) putative receptor-like protein kinase [Arabidopsis thaliana]

Seq. No.	49031	Seq. ID	OJ990222_08.0420.C66
Gene No.	104416	Strand	-
Start	1	End	977
Name	OJ990222_08.0420.C66.o1.np	Method	AAT/NAP
Start	1	End	977
GI	6907086	Score	1086
Exons	1..157, 218..977		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	49031	Seq. ID	OJ990222_08.0420.C66
Gene No.	104417	Strand	-
Start	1687	End	3214
Name	OJ990222_08.0420.C66.o2.np	Method	AAT/NAP
Start	1687	End	3214
GI	4680186	Score	180
Exons	1687..2107, 2612..2674, 3172..3214		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	49032	Seq. ID	OJ990222_07.0420.C3
Gene No.	104418	Strand	+
Start	464	End	903
Name	OJ990222_07.0420.C3.o1.gs	Method	GENSCAN
Start	464	End	903
GI	none	Score	.86
Exons	464..504, 801..903		

Seq. No.	49032	Seq. ID	OJ990222_07.0420.C3
Gene No.	104419	Strand	-
Start	1	End	3481
Name	OJ990222_07.0420.C3.o1.np	Method	AAT/NAP
Start	1	End	3481
GI	5915837	Score	171
Exons	1..67, 3190..3481		

GI Descrip. CYTOCHROME P450 71D8 (P450 CP7) gi|3334667|emb|CAA71517| (Y10493) putative cytochrome P450 [Glycine max]

Seq. No.	49032	Seq. ID	OJ990222_07.0420.C3

Gene No.	104419	Strand	-
Start	1	End	3481
Name	OJ990222_07.0420.C3.o2.gs	Method	GENSCAN
Start	2389	End	3390
GI	none	Score	.47
Exons	2389..2529, 3190..3390		

Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104420	Strand	+
Start	63	End	5706
Name	OJ990222_07.0420.C5.o1.gs	Method	GENSCAN
Start	63	End	5706
GI	none	Score	.75
Exons	63..70, 468..580, 619..686, 1076..1262, 1450..1597, 1773..1870, 2656..3405, 3485..3613, 3672..3826, 3933..3991, 4061..4200, 4269..4689, 4945..5090, 5195..5706		

Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104420	Strand	+
Start	63	End	5706
Name	OJ990222_07.0420.C5.o3.np	Method	AAT/NAP
Start	2643	End	4822
GI	6721561	Score	1017
Exons	2643..2712, 3678..3862, 3933..3991, 4061..4822		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104420	Strand	+
Start	63	End	5706
Name	OJ990222_07.0420.C5.o2.np	Method	AAT/NAP
Start	2685	End	4703
GI	6721558	Score	258
Exons	2685..2784, 3485..3610, 4502..4703		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104421	Strand	-
Start	163	End	2255
Name	OJ990222_07.0420.C5.o1.np	Method	AAT/NAP
Start	163	End	2255
GI	7523517	Score	209
Exons	163..234, 1712..1812, 1956..2255		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o2.gs	Method	GENSCAN
Start	5900	End	12258
GI	none	Score	.69
Exons	5900..6207, 6340..6570, 6673..8414, 8654..9411, 9580..9821,		

9856..9967, 10021..10146, 10170..11777, 11851..12258

Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o4.np	Method	AAT/NAP
Start	6326	End	9402
GI	5902445	Score	3040
Exons	6326..9402		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o3.tw	Method	TBLASTX:Wheat
Start	6335	End	6943
GI	none	Score	61
Exons	6335..6466, 6336..6461, 6455..6943, 6687..6794, 6843..6929		

Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o4.tw	Method	TBLASTX:Wheat
Start	7067	End	7450
GI	none	Score	207
Exons	7067..7450, 7068..7442		

Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o2.tm	Method	TBLASTX:Maize
Start	7145	End	7450
GI	none	Score	174
Exons	7145..7450, 7146..7433		

Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o8.tw	Method	TBLASTX:Wheat
Start	7613	End	7871
GI	none	Score	69
Exons	7613..7870, 7617..7871		

Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o6.tw	Method	TBLASTX:Wheat
Start	7910	End	8317
GI	none	Score	48
Exons	7910..7972, 7910..8083, 8091..8264, 8093..8317, 8107..8274		

Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o1.ts	Method	TBLASTX:Soybean
Start	8408	End	8838
GI	none	Score	96

Exons	8408..8488, 8500..8838, 8648..8833		
Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o2.tw	Method	TBLASTX:Wheat
Start	8468	End	8886
GI	none	Score	267
Exons	8468..8881, 8486..8842, 8500..8886		
Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o3.tm	Method	TBLASTX:Maize
Start	8560	End	8943
GI	none	Score	185
Exons	8560..8943, 8561..8908, 8671..8916		
Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o1.tm	Method	TBLASTX:Maize
Start	8971	End	9327
GI	none	Score	158
Exons	8971..9327, 9007..9273, 9059..9292		
Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o1.tw	Method	TBLASTX:Wheat
Start	9013	End	9456
GI	none	Score	321
Exons	9013..9456, 9035..9448		
Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o2.ts	Method	TBLASTX:Soybean
Start	9052	End	9417
GI	none	Score	107
Exons	9052..9186, 9193..9417		
Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o5.np	Method	AAT/NAP
Start	9469	End	12343
GI	5902444	Score	1005
Exons	9469..11118, 11305..11524, 12299..12343		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o5.tw	Method	TBLASTX:Wheat
Start	9606	End	10104
GI	none	Score	89

Exons	9606..9659, 9649..9885, 9767..9883, 9922..10104, 9923..10096		
Seq. No.	49033	Seq. ID	OJ990222_07.0420.C5
Gene No.	104422	Strand	-
Start	5900	End	12343
Name	OJ990222_07.0420.C5.o7.tw	Method	TBLASTX:Wheat
Start	10734	End	11126
GI	none	Score	90
Exons	10734..11009, 10735..10962, 10968..11081, 11020..11070, 11085..11126		
Seq. No.	49034	Seq. ID	OJ990222_07.0420.C6
Gene No.	104423	Strand	+
Start	2542	End	3489
Name	OJ990222_07.0420.C6.o1.gs	Method	GENSCAN
Start	2542	End	3489
GI	none	Score	.98
Exons	2542..3489		
Seq. No.	49034	Seq. ID	OJ990222_07.0420.C6
Gene No.	104423	Strand	+
Start	2542	End	3489
Name	OJ990222_07.0420.C6.o1.np	Method	AAT/NAP
Start	2566	End	3452
GI	5915836	Score	508
Exons	2566..3452		
GI Descrip.	CYTOCHROME P450 71D7 gi|1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		
Seq. No.	49034	Seq. ID	OJ990222_07.0420.C6
Gene No.	104424	Strand	-
Start	4156	End	4603
Name	OJ990222_07.0420.C6.o1.tm	Method	TBLASTX:Maize
Start	2646	End	3276
GI	none	Score	94
Exons	2646..2705, 2659..2709, 2716..3036, 2727..2993, 3088..3276, 3099..3248		
Seq. No.	49034	Seq. ID	OJ990222_07.0420.C6
Gene No.	104424	Strand	-
Start	4156	End	4603
Name	OJ990222_07.0420.C6.o1.tc	Method	TBLASTX:Cress
Start	2658	End	3141
GI	none	Score	72
Exons	2658..2717, 2659..2718, 2701..3141, 2736..2996		
Seq. No.	49034	Seq. ID	OJ990222_07.0420.C6
Gene No.	104424	Strand	-
Start	4156	End	4603
Name	OJ990222_07.0420.C6.o1.ts	Method	TBLASTX:Soybean
Start	2658	End	3453
GI	none	Score	350
Exons	2658..2864, 2659..3036, 3118..3453		
Seq. No.	49034	Seq. ID	OJ990222_07.0420.C6
Gene No.	104424	Strand	-
Start	4156	End	4603

Name	OJ990222_07.0420.C6.o2.tw	Method	TBLASTX:Wheat
Start	2701	End	2988
GI	none	Score	63
Exons	2701..2754, 2761..2871, 2905..2988		

Seq. No.	49034	Seq. ID	OJ990222_07.0420.C6
Gene No.	104424	Strand	-
Start	4156	End	4603
Name	OJ990222_07.0420.C6.o1.tw	Method	TBLASTX:Wheat
Start	3094	End	3417
GI	none	Score	193
Exons	3094..3417		

Seq. No.	49034	Seq. ID	OJ990222_07.0420.C6
Gene No.	104424	Strand	-
Start	4156	End	4603
Name	OJ990222_07.0420.C6.o2.gs	Method	GENSCAN
Start	4156	End	4603
GI	none	Score	.94
Exons	4156..4173, 4365..4603		

Seq. No.	49035	Seq. ID	OJ990222_07.0420.C7
Gene No.	104425	Strand	-
Start	872	End	1398
Name	OJ990222_07.0420.C7.o1.gs	Method	GENSCAN
Start	872	End	1398
GI	none	Score	.47
Exons	872..1273, 1282..1398		

Seq. No.	49036	Seq. ID	OJ990222_07.0420.C8
Gene No.	104426	Strand	-
Start	2239	End	2336
Name	OJ990222_07.0420.C8.o2.gs	Method	GENSCAN
Start	2239	End	2336
GI	none	Score	.46
Exons	2239..2336		

Seq. No.	49037	Seq. ID	OJ990222_07.0420.C9
Gene No.	104427	Strand	+
Start	1	End	1189
Name	OJ990222_07.0420.C9.o1.np	Method	AAT/NAP
Start	1	End	1169
GI	5915839	Score	674
Exons	1..377, 561..1169		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	49037	Seq. ID	OJ990222_07.0420.C9
Gene No.	104427	Strand	+
Start	1	End	1189
Name	OJ990222_07.0420.C9.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1189
GI	none	Score	98
Exons	3..269, 555..1130, 560..700, 561..827, 743..1189		

Seq. No.	49037	Seq. ID	OJ990222_07.0420.C9
Gene No.	104427	Strand	+

Start	1	End	1189
Name	OJ990222_07.0420.C9.o1.gs	Method	GENSCAN
Start	60	End	1184
GI	none	Score	.99
Exons	60..377, 561..1184		

Seq. No.	49037	Seq. ID	OJ990222_07.0420.C9
Gene No.	104427	Strand	+
Start	1	End	1189
Name	OJ990222_07.0420.C9.o2.tw	Method	TBLASTX:Wheat
Start	312	End	869
GI	none	Score	53
Exons	312..368, 560..868, 561..869		

Seq. No.	49037	Seq. ID	OJ990222_07.0420.C9
Gene No.	104427	Strand	+
Start	1	End	1189
Name	OJ990222_07.0420.C9.o1.tm	Method	TBLASTX:Maize
Start	560	End	1024
GI	none	Score	561
Exons	560..1024, 561..1022		

Seq. No.	49037	Seq. ID	OJ990222_07.0420.C9
Gene No.	104427	Strand	+
Start	1	End	1189
Name	OJ990222_07.0420.C9.o1.tc	Method	TBLASTX:Cress
Start	561	End	1106
GI	none	Score	464
Exons	561..1106, 575..664, 731..1105		

Seq. No.	49037	Seq. ID	OJ990222_07.0420.C9
Gene No.	104427	Strand	+
Start	1	End	1189
Name	OJ990222_07.0420.C9.o1.tw	Method	TBLASTX:Wheat
Start	897	End	1159
GI	none	Score	299
Exons	897..1130, 932..1159, 937..1137		

Seq. No.	49038	Seq. ID	OJ990222_07.0420.C10
Gene No.	104428	Strand	-
Start	1583	End	2870
Name	OJ990222_07.0420.C10.o1.gs	Method	GENSCAN
Start	1583	End	2818
GI	none	Score	.54
Exons	1583..2212, 2341..2553, 2672..2818		

Seq. No.	49038	Seq. ID	OJ990222_07.0420.C10
Gene No.	104428	Strand	-
Start	1583	End	2870
Name	OJ990222_07.0420.C10.o1.np	Method	AAT/NAP
Start	1642	End	2870
GI	5524155	Score	571
Exons	1642..2272, 2341..2553, 2838..2870		
GI Descrip.	(AF124815) cytochrome p450 [Mentha spicata]		

Seq. No.	49038	Seq. ID	OJ990222_07.0420.C10
Gene No.	104428	Strand	-

Start	1583	End	2870
Name	OJ990222_07.0420.C10.o1.tc	Method	TBLASTX:Cress
Start	1645	End	2469
GI	none	Score	88
Exons	1645..1725, 1751..1882, 1755..1883, 1901..1933, 1946..2023, 1962..2000, 2093..2284, 2392..2469		

Seq. No.	49038	Seq. ID	OJ990222_07.0420.C10
Gene No.	104428	Strand	-
Start	1583	End	2870
Name	OJ990222_07.0420.C10.o1.ts	Method	TBLASTX:Soybean
Start	1660	End	2514
GI	none	Score	106
Exons	1660..1752, 1751..1888, 1752..1880, 1946..2017, 2093..2272, 2341..2445, 2378..2479, 2446..2514		

Seq. No.	49038	Seq. ID	OJ990222_07.0420.C10
Gene No.	104428	Strand	-
Start	1583	End	2870
Name	OJ990222_07.0420.C10.o1.tw	Method	TBLASTX:Wheat
Start	1660	End	1996
GI	none	Score	145
Exons	1660..1743, 1751..1933, 1752..1901, 1946..1996		

Seq. No.	49038	Seq. ID	OJ990222_07.0420.C10
Gene No.	104428	Strand	-
Start	1583	End	2870
Name	OJ990222_07.0420.C10.o1.tm	Method	TBLASTX:Maize
Start	1791	End	2526
GI	none	Score	118
Exons	1791..1880, 1793..1879, 1901..1936, 1946..2023, 1946..2023, 1957..2214, 2093..2272, 2096..2272, 2333..2443, 2343..2369, 2344..2430, 2401..2526		

Seq. No.	49039	Seq. ID	OJ990222_07.0420.C11
Gene No.	104429	Strand	-
Start	1	End	520
Name	OJ990222_07.0420.C11.o1.np	Method	AAT/NAP
Start	1	End	484
GI	5915836	Score	355
Exons	1..484		
GI Descrip.	CYTOCHROME P450 71D7 gi|1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	49039	Seq. ID	OJ990222_07.0420.C11
Gene No.	104429	Strand	-
Start	1	End	520
Name	OJ990222_07.0420.C11.o1.gs	Method	GENSCAN
Start	14	End	520
GI	none	Score	.54
Exons	14..520		

Seq. No.	49039	Seq. ID	OJ990222_07.0420.C11
Gene No.	104429	Strand	-
Start	1	End	520
Name	OJ990222_07.0420.C11.o1.tc	Method	TBLASTX:Cress
Start	47	End	397

GI	none	Score	153
Exons	47..352, 57..302, 341..397, 342..395		

Seq. No.	49039	Seq. ID	OJ990222_07.0420.C11
Gene No.	104429	Strand	-
Start	1	End	520
Name	OJ990222_07.0420.C11.o1.tm	Method	TBLASTX:Maize
Start	47	End	412
GI	none	Score	302
Exons	47..412, 54..401		

Seq. No.	49039	Seq. ID	OJ990222_07.0420.C11
Gene No.	104429	Strand	-
Start	1	End	520
Name	OJ990222_07.0420.C11.o1.ts	Method	TBLASTX:Soybean
Start	47	End	412
GI	none	Score	93
Exons	47..412, 189..317		

Seq. No.	49040	Seq. ID	OJ990222_07.0420.C12
Gene No.	104430	Strand	+
Start	1	End	812
Name	OJ990222_07.0420.C12.o1.np	Method	AAT/NAP
Start	1	End	812
GI	6907089	Score	1028
Exons	1..480, 575..812		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49041	Seq. ID	OJ990222_07.0420.C13
Gene No.	104431	Strand	+
Start	1	End	1433
Name	OJ990222_07.0420.C13.o1.np	Method	AAT/NAP
Start	1	End	1430
GI	6539586	Score	2265
Exons	1..1430		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	49041	Seq. ID	OJ990222_07.0420.C13
Gene No.	104431	Strand	+
Start	1	End	1433
Name	OJ990222_07.0420.C13.o1.gs	Method	GENSCAN
Start	66	End	1433
GI	none	Score	.53
Exons	66..1433		

Seq. No.	49041	Seq. ID	OJ990222_07.0420.C13
Gene No.	104432	Strand	-
Start	1671	End	1869
Name	OJ990222_07.0420.C13.o2.gs	Method	GENSCAN
Start	1671	End	1869
GI	none	Score	.51
Exons	1671..1869		

Seq. No.	49042	Seq. ID	OJ990222_07.0420.C14
Gene No.	104433	Strand	-
Start	1	End	3040
Name	OJ990222_07.0420.C14.o1.np	Method	AAT/NAP

Start	1	End	3040
GI	7228457	Score	4690
Exons	1..1389, 1456..2608, 2731..3040		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49042	Seq. ID	OJ990222_07.0420.C14
Gene No.	104433	Strand	-
Start	1	End	3040
Name	OJ990222_07.0420.C14.o4.tw	Method	TBLASTX:Wheat
Start	4	End	450
GI	none	Score	180
Exons	4..78, 160..450, 167..445		

Seq. No.	49042	Seq. ID	OJ990222_07.0420.C14
Gene No.	104433	Strand	-
Start	1	End	3040
Name	OJ990222_07.0420.C14.o1.gs	Method	GENSCAN
Start	10	End	2959
GI	none	Score	.54
Exons	10..1081, 1184..1980, 2060..2959		

Seq. No.	49042	Seq. ID	OJ990222_07.0420.C14
Gene No.	104433	Strand	-
Start	1	End	3040
Name	OJ990222_07.0420.C14.o2.tw	Method	TBLASTX:Wheat
Start	451	End	832
GI	none	Score	168
Exons	451..831, 482..730, 490..828, 776..832		

Seq. No.	49042	Seq. ID	OJ990222_07.0420.C14
Gene No.	104433	Strand	-
Start	1	End	3040
Name	OJ990222_07.0420.C14.o1.tm	Method	TBLASTX:Maize
Start	646	End	969
GI	none	Score	214
Exons	646..969, 659..952		

Seq. No.	49042	Seq. ID	OJ990222_07.0420.C14
Gene No.	104433	Strand	-
Start	1	End	3040
Name	OJ990222_07.0420.C14.o5.tw	Method	TBLASTX:Wheat
Start	1162	End	1474
GI	none	Score	67
Exons	1162..1422, 1298..1474		

Seq. No.	49042	Seq. ID	OJ990222_07.0420.C14
Gene No.	104433	Strand	-
Start	1	End	3040
Name	OJ990222_07.0420.C14.o2.ts	Method	TBLASTX:Soybean
Start	1222	End	1788
GI	5666795	Score	64
Exons	1222..1422, 1477..1614, 1690..1788		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	49042	Seq. ID	OJ990222_07.0420.C14

Gene No.	104433	Strand	-
Start	1	End	3040
Name	OJ990222_07.0420.C14.o3.tw	Method	TBLASTX:Wheat
Start	1477	End	1935
GI	none	Score	88
Exons	1477..1626, 1478..1615, 1660..1911, 1661..1846, 1681..1935		

Seq. No.	49042	Seq. ID	OJ990222_07.0420.C14
Gene No.	104433	Strand	-
Start	1	End	3040
Name	OJ990222_07.0420.C14.o1.ts	Method	TBLASTX:Soybean
Start	2537	End	2908
GI	none	Score	90
Exons	2537..2908, 2748..2891		

Seq. No.	49042	Seq. ID	OJ990222_07.0420.C14
Gene No.	104433	Strand	-
Start	1	End	3040
Name	OJ990222_07.0420.C14.o1.tw	Method	TBLASTX:Wheat
Start	2562	End	2987
GI	none	Score	331
Exons	2562..2987, 2567..2986		

Seq. No.	49042	Seq. ID	OJ990222_07.0420.C14
Gene No.	104433	Strand	-
Start	1	End	3040
Name	OJ990222_07.0420.C14.o2.tm	Method	TBLASTX:Maize
Start	2660	End	3035
GI	none	Score	234
Exons	2660..3034, 2679..3035		

Seq. No.	49043	Seq. ID	OJ990222_07.0420.C15
Gene No.	104434	Strand	-
Start	1	End	1127
Name	OJ990222_07.0420.C15.o1.np	Method	AAT/NAP
Start	1	End	1127
GI	7228457	Score	1898
Exons	1..1127		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49043	Seq. ID	OJ990222_07.0420.C15
Gene No.	104434	Strand	-
Start	1	End	1127
Name	OJ990222_07.0420.C15.o1.tw	Method	TBLASTX:Wheat
Start	7	End	466
GI	none	Score	83
Exons	7..261, 7..465, 11..271, 293..466		

Seq. No.	49044	Seq. ID	OJ990222_07.0420.C16
Gene No.	104435	Strand	-
Start	524	End	2153
Name	OJ990222_07.0420.C16.o1.gs	Method	GENSCAN
Start	524	End	2153
GI	none	Score	.68
Exons	524..543, 1487..1613, 2076..2153		

Seq. No.	49044	Seq. ID	OJ990222_07.0420.C16
Gene No.	104436	Strand	-
Start	3248	End	4605
Name	OJ990222_07.0420.C16.o1.np	Method	AAT/NAP
Start	3248	End	4605
GI	5852181	Score	110
Exons	3248..3506, 4299..4605		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	49045	Seq. ID	OJ990222_07.0420.C20
Gene No.	104437	Strand	+
Start	193	End	820
Name	OJ990222_07.0420.C20.o1.gs	Method	GENSCAN
Start	193	End	820
GI	none	Score	.6
Exons	193..389, 748..820		

Seq. No.	49045	Seq. ID	OJ990222_07.0420.C20
Gene No.	104438	Strand	-
Start	443	End	566
Name	OJ990222_07.0420.C20.o1.np	Method	AAT/NAP
Start	443	End	566
GI	7523512	Score	149
Exons	443..566		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49046	Seq. ID	OJ990222_07.0420.C21
Gene No.	104439	Strand	+
Start	1	End	1898
Name	OJ990222_07.0420.C21.o1.np	Method	AAT/NAP
Start	1	End	803
GI	5042454	Score	232
Exons	1..99, 325..500, 750..803		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	49046	Seq. ID	OJ990222_07.0420.C21
Gene No.	104439	Strand	+
Start	1	End	1898
Name	OJ990222_07.0420.C21.o2.np	Method	AAT/NAP
Start	1	End	1886
GI	5915839	Score	585
Exons	1..57, 1278..1886		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	49046	Seq. ID	OJ990222_07.0420.C21
Gene No.	104439	Strand	+
Start	1	End	1898
Name	OJ990222_07.0420.C21.o1.gs	Method	GENSCAN
Start	240	End	1898
GI	none	Score	.77
Exons	240..311, 411..500, 856..1021, 1291..1898		

Seq. No.	49046	Seq. ID	OJ990222_07.0420.C21
Gene No.	104439	Strand	+
Start	1	End	1898

Name	OJ990222_07.0420.C21.o1.tc	Method	TBLASTX:Cress
Start	1271	End	1859
GI	none	Score	129
Exons	1271..1393, 1278..1394, 1401..1859, 1577..1792		

Seq. No.	49046	Seq. ID	OJ990222_07.0420.C21
Gene No.	104439	Strand	+
Start	1	End	1898
Name	OJ990222_07.0420.C21.o1.tw	Method	TBLASTX:Wheat
Start	1271	End	1586
GI	none	Score	74
Exons	1271..1576, 1277..1420, 1278..1586, 1452..1583		

Seq. No.	49046	Seq. ID	OJ990222_07.0420.C21
Gene No.	104439	Strand	+
Start	1	End	1898
Name	OJ990222_07.0420.C21.o1.tm	Method	TBLASTX:Maize
Start	1277	End	1741
GI	none	Score	188
Exons	1277..1456, 1278..1463, 1416..1727, 1506..1724, 1523..1741		

Seq. No.	49046	Seq. ID	OJ990222_07.0420.C21
Gene No.	104439	Strand	+
Start	1	End	1898
Name	OJ990222_07.0420.C21.o1.ts	Method	TBLASTX:Soybean
Start	1277	End	1868
GI	none	Score	173
Exons	1277..1429, 1278..1463, 1424..1723, 1434..1529, 1506..1859, 1556..1861, 1749..1868		

Seq. No.	49046	Seq. ID	OJ990222_07.0420.C21
Gene No.	104439	Strand	+
Start	1	End	1898
Name	OJ990222_07.0420.C21.o2.tw	Method	TBLASTX:Wheat
Start	1610	End	1880
GI	none	Score	256
Exons	1610..1858, 1611..1859, 1620..1880, 1661..1879		

Seq. No.	49047	Seq. ID	OJ990222_07.0420.C22
Gene No.	104440	Strand	+
Start	1	End	1289
Name	OJ990222_07.0420.C22.o1.np	Method	AAT/NAP
Start	1	End	1289
GI	5921278	Score	606
Exons	1..376, 799..1289		
GI Descrip.	(AJ238612) cytochrome P450 [Catharanthus roseus]		

Seq. No.	49047	Seq. ID	OJ990222_07.0420.C22
Gene No.	104440	Strand	+
Start	1	End	1289
Name	OJ990222_07.0420.C22.o1.ts	Method	TBLASTX:Soybean
Start	29	End	1266
GI	none	Score	84
Exons	29..244, 284..373, 793..984, 798..950, 1027..1266, 1090..1251, 1179..1265		

Seq. No.	49047	Seq. ID	OJ990222_07.0420.C22

Gene No.	104440	Strand	+
Start	1	End	1289
Name	OJ990222_07.0420.C22.o1.gs	Method	GENSCAN
Start	62	End	1246
GI	none	Score	.49
Exons	62..376, 799..1246		

Seq. No.	49047	Seq. ID	OJ990222_07.0420.C22
Gene No.	104440	Strand	+
Start	1	End	1289
Name	OJ990222_07.0420.C22.o1.tw	Method	TBLASTX:Wheat
Start	285	End	1107
GI	none	Score	76
Exons	285..353, 287..364, 293..364, 798..1103, 799..1104, 838..1107		

Seq. No.	49047	Seq. ID	OJ990222_07.0420.C22
Gene No.	104440	Strand	+
Start	1	End	1289
Name	OJ990222_07.0420.C22.o1.tm	Method	TBLASTX:Maize
Start	287	End	1262
GI	none	Score	90
Exons	287..373, 798..1262, 799..984, 951..1253, 1019..1255, 1027..1260		

Seq. No.	49047	Seq. ID	OJ990222_07.0420.C22
Gene No.	104440	Strand	+
Start	1	End	1289
Name	OJ990222_07.0420.C22.o1.tc	Method	TBLASTX:Cress
Start	793	End	1266
GI	none	Score	130
Exons	793..924, 798..914, 838..915, 922..1266, 1021..1197, 1179..1265		

Seq. No.	49047	Seq. ID	OJ990222_07.0420.C22
Gene No.	104440	Strand	+
Start	1	End	1289
Name	OJ990222_07.0420.C22.o2.tw	Method	TBLASTX:Wheat
Start	1132	End	1266
GI	none	Score	192
Exons	1132..1266, 1176..1262		

Seq. No.	49048	Seq. ID	OJ990222_07.0420.C23
Gene No.	104441	Strand	-
Start	731	End	817
Name	OJ990222_07.0420.C23.o1.gs	Method	GENSCAN
Start	731	End	817
GI	none	Score	.66
Exons	731..817		

Seq. No.	49049	Seq. ID	OJ990222_07.0420.C25
Gene No.	104442	Strand	+
Start	251	End	474
Name	OJ990222_07.0420.C25.o1.gs	Method	GENSCAN
Start	251	End	474
GI	none	Score	.87
Exons	251..474		

Seq. No.	49050	Seq. ID	OJ990222_07.0420.C26
Gene No.	104443	Strand	-

Start	348	End	385
Name	OJ990222_07.0420.C26.o1.gs	Method	GENSCAN
Start	348	End	385
GI	none	Score	.62
Exons	348..385		

Seq. No.	49051	Seq. ID	OJ990222_07.0420.C28
Gene No.	104444	Strand	+
Start	516	End	605
Name	OJ990222_07.0420.C28.o1.gs	Method	GENSCAN
Start	516	End	605
GI	none	Score	.44
Exons	516..605		

Seq. No.	49052	Seq. ID	OJ990222_07.0420.C29
Gene No.	104445	Strand	+
Start	33	End	293
Name	OJ990222_07.0420.C29.o1.gs	Method	GENSCAN
Start	33	End	293
GI	none	Score	.73
Exons	33..104, 163..227, 236..293		

Seq. No.	49052	Seq. ID	OJ990222_07.0420.C29
Gene No.	104446	Strand	-
Start	1	End	505
Name	OJ990222_07.0420.C29.o1.np	Method	AAT/NAP
Start	1	End	505
GI	7523517	Score	85
Exons	1..505		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49053	Seq. ID	OJ990222_07.0420.C30
Gene No.	104447	Strand	+
Start	1	End	2293
Name	OJ990222_07.0420.C30.o1.np	Method	AAT/NAP
Start	1	End	2293
GI	5915839	Score	922
Exons	1..775, 1659..2293		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	49053	Seq. ID	OJ990222_07.0420.C30
Gene No.	104447	Strand	+
Start	1	End	2293
Name	OJ990222_07.0420.C30.o1.ts	Method	TBLASTX:Soybean
Start	71	End	2240
GI	none	Score	113
Exons	71..217, 254..391, 262..348, 440..694, 1687..2193, 1687..1890, 2067..2240		

Seq. No.	49053	Seq. ID	OJ990222_07.0420.C30
Gene No.	104447	Strand	+
Start	1	End	2293
Name	OJ990222_07.0420.C30.o2.tm	Method	TBLASTX:Maize
Start	71	End	615
GI	none	Score	114
Exons	71..214, 239..373, 263..391, 427..615, 440..601		

Seq. No.	49053	Seq. ID	OJ990222_07.0420.C30
Gene No.	104447	Strand	+
Start	1	End	2293
Name	OJ990222_07.0420.C30.o1.tc	Method	TBLASTX:Cress
Start	74	End	2234
GI	none	Score	104
Exons	74..223, 242..391, 1684..1794, 1810..2202, 1972..2187, 2067..2234		

Seq. No.	49053	Seq. ID	OJ990222_07.0420.C30
Gene No.	104447	Strand	+
Start	1	End	2293
Name	OJ990222_07.0420.C30.o1.gs	Method	GENSCAN
Start	83	End	2214
GI	none	Score	.57
Exons	83..848, 1604..2214		

Seq. No.	49053	Seq. ID	OJ990222_07.0420.C30
Gene No.	104447	Strand	+
Start	1	End	2293
Name	OJ990222_07.0420.C30.o1.tw	Method	TBLASTX:Wheat
Start	1680	End	1992
GI	none	Score	277
Exons	1680..1991, 1681..1992		

Seq. No.	49053	Seq. ID	OJ990222_07.0420.C30
Gene No.	104447	Strand	+
Start	1	End	2293
Name	OJ990222_07.0420.C30.o1.tm	Method	TBLASTX:Maize
Start	1686	End	2136
GI	none	Score	484
Exons	1686..2135, 1687..2136		

Seq. No.	49053	Seq. ID	OJ990222_07.0420.C30
Gene No.	104447	Strand	+
Start	1	End	2293
Name	OJ990222_07.0420.C30.o2.tw	Method	TBLASTX:Wheat
Start	2023	End	2208
GI	none	Score	181
Exons	2023..2208, 2064..2198		

Seq. No.	49054	Seq. ID	OJ990222_07.0420.C33
Gene No.	104448	Strand	-
Start	755	End	3298
Name	OJ990222_07.0420.C33.o1.tc	Method	TBLASTX:Cress
Start	324	End	2332
GI	none	Score	71
Exons	324..443, 815..1012, 936..1016, 1025..1072, 1076..1153, 1223..1408, 1981..2328, 2123..2269, 2291..2332		

Seq. No.	49054	Seq. ID	OJ990222_07.0420.C33
Gene No.	104448	Strand	-
Start	755	End	3298
Name	OJ990222_07.0420.C33.o1.gs	Method	GENSCAN
Start	755	End	2442
GI	none	Score	.98

Exons	755..1408, 1551..1817, 1849..2442		
Seq. No.	49054	Seq. ID	OJ990222_07.0420.C33
Gene No.	104448	Strand	-
Start	755	End	3298
Name	OJ990222_07.0420.C33.o1.np	Method	AAT/NAP
Start	776	End	3298
GI	5915839	Score	918
Exons	776..1411, 1554..2427, 3263..3298		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		
Seq. No.	49054	Seq. ID	OJ990222_07.0420.C33
Gene No.	104448	Strand	-
Start	755	End	3298
Name	OJ990222_07.0420.C33.o1.ts	Method	TBLASTX:Soybean
Start	782	End	2332
GI	none	Score	97
Exons	782..1012, 806..1018, 1037..1069, 1076..1147, 1259..1411, 1260..1409, 1602..1646, 1752..1868, 1981..2265, 1982..2089, 2123..2233, 2267..2332		
Seq. No.	49054	Seq. ID	OJ990222_07.0420.C33
Gene No.	104448	Strand	-
Start	755	End	3298
Name	OJ990222_07.0420.C33.o1.tw	Method	TBLASTX:Wheat
Start	812	End	1138
GI	none	Score	110
Exons	812..856, 875..1063, 878..1078, 1076..1138		
Seq. No.	49054	Seq. ID	OJ990222_07.0420.C33
Gene No.	104448	Strand	-
Start	755	End	3298
Name	OJ990222_07.0420.C33.o2.tm	Method	TBLASTX:Maize
Start	812	End	1412
GI	none	Score	132
Exons	812..1060, 881..1066, 1076..1147, 1301..1411, 1305..1412		
Seq. No.	49054	Seq. ID	OJ990222_07.0420.C33
Gene No.	104448	Strand	-
Start	755	End	3298
Name	OJ990222_07.0420.C33.o4.tm	Method	TBLASTX:Maize
Start	1734	End	1920
GI	none	Score	129
Exons	1734..1877, 1734..1874, 1875..1919, 1876..1920		
Seq. No.	49054	Seq. ID	OJ990222_07.0420.C33
Gene No.	104448	Strand	-
Start	755	End	3298
Name	OJ990222_07.0420.C33.o1.tm	Method	TBLASTX:Maize
Start	1972	End	2341
GI	none	Score	91
Exons	1972..2121, 1984..2328, 1985..2341		
Seq. No.	49054	Seq. ID	OJ990222_07.0420.C33
Gene No.	104449	Strand	
Start	6269	End	6512

Name	OJ990222_07.0420.C33.o3.tm	Method	TBLASTX:Maize
Start	6269	End	6512
GI	none	Score	262
Exons	6269..6511, 6270..6512		

Seq. No.	49055	Seq. ID	OJ990512_08.0419.C4
Gene No.	104450	Strand	+
Start	546	End	674
Name	OJ990512_08.0419.C4.o1.gs	Method	GENSCAN
Start	546	End	674
GI	none	Score	.84
Exons	546..674		

Seq. No.	49056	Seq. ID	OJ990512_08.0419.C5
Gene No.	104451	Strand	+
Start	1331	End	1509
Name	OJ990512_08.0419.C5.o1.gs	Method	GENSCAN
Start	1331	End	1509
GI	none	Score	.65
Exons	1331..1509		

Seq. No.	49056	Seq. ID	OJ990512_08.0419.C5
Gene No.	104452	Strand	+
Start	2430	End	3576
Name	OJ990512_08.0419.C5.o1.np	Method	AAT/NAP
Start	2430	End	3576
GI	6907106	Score	208
Exons	2430..2605, 2794..3040, 3076..3189, 3271..3576		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49057	Seq. ID	OJ990512_08.0419.C9
Gene No.	104453	Strand	+
Start	1	End	287
Name	OJ990512_08.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	287
GI	4680186	Score	196
Exons	1..42, 156..287		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49057	Seq. ID	OJ990512_08.0419.C9
Gene No.	104454	Strand	-
Start	153	End	220
Name	OJ990512_08.0419.C9.o1.gp	Method	AAT/GAP
Start	153	End	220
GI	uC-osflcyp033a04b1	Score	106
Exons	153..220		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49057	Seq. ID	OJ990512_08.0419.C9
Gene No.	104455	Strand	-
Start	652	End	1658
Name	OJ990512_08.0419.C9.o1.gs	Method	GENSCAN
Start	652	End	1658
GI	none	Score	.55
Exons	652..737, 1032..1101, 1596..1658		

Seq. No.	49057	Seq. ID	OJ990512_08.0419.C9
Gene No.	104456	Strand	-
Start	3031	End	3866
Name	OJ990512_08.0419.C9.o2.gs	Method	GENSCAN
Start	3031	End	3866
GI	none	Score	.83
Exons	3031..3344, 3413..3589, 3674..3866		

Seq. No.	49058	Seq. ID	OJ990512_08.0419.C10
Gene No.	104457	Strand	+
Start	1	End	2229
Name	OJ990512_08.0419.C10.o1.np	Method	AAT/NAP
Start	1	End	2229
GI	4680203	Score	2034
Exons	1..74, 486..2229		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	49058	Seq. ID	OJ990512_08.0419.C10
Gene No.	104457	Strand	+
Start	1	End	2229
Name	OJ990512_08.0419.C10.o1.gp	Method	AAT/GAP
Start	438	End	941
GI	2310235	Score	241
Exons	438..625, 916..941		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	49058	Seq. ID	OJ990512_08.0419.C10
Gene No.	104457	Strand	+
Start	1	End	2229
Name	OJ990512_08.0419.C10.o1.gs	Method	GENSCAN
Start	486	End	2223
GI	none	Score	.7
Exons	486..2223		

Seq. No.	49058	Seq. ID	OJ990512_08.0419.C10
Gene No.	104457	Strand	+
Start	1	End	2229
Name	OJ990512_08.0419.C10.o2.gp	Method	AAT/GAP
Start	490	End	2229
GI	342_1.R1084	Score	2849
Exons	490..2229		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	49058	Seq. ID	OJ990512_08.0419.C10
Gene No.	104457	Strand	+
Start	1	End	2229
Name	OJ990512_08.0419.C10.o2.tw	Method	TBLASTX:Wheat
Start	823	End	1188
GI	none	Score	103
Exons	823..930, 837..944, 927..1178, 935..1177, 937..1188		

Seq. No.	49058	Seq. ID	OJ990512_08.0419.C10
Gene No.	104457	Strand	+
Start	1	End	2229

Name	OJ990512_08.0419.C10.o1.ts	Method	TBLASTX:Soybean
Start	1109	End	1538
GI	none	Score	102
Exons	1109..1192, 1110..1184, 1185..1247, 1242..1538, 1296..1520		

Seq. No.	49058	Seq. ID	OJ990512_08.0419.C10
Gene No.	104457	Strand	+
Start	1	End	2229
Name	OJ990512_08.0419.C10.o1.tc	Method	TBLASTX:Cress
Start	1271	End	1619
GI	none	Score	321
Exons	1271..1423, 1278..1619, 1463..1600		

Seq. No.	49058	Seq. ID	OJ990512_08.0419.C10
Gene No.	104457	Strand	+
Start	1	End	2229
Name	OJ990512_08.0419.C10.o1.tw	Method	TBLASTX:Wheat
Start	1407	End	1876
GI	none	Score	72
Exons	1407..1460, 1415..1459, 1461..1565, 1472..1561, 1569..1664, 1574..1663, 1668..1871, 1668..1871, 1670..1876		

Seq. No.	49058	Seq. ID	OJ990512_08.0419.C10
Gene No.	104457	Strand	+
Start	1	End	2229
Name	OJ990512_08.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	1452	End	1910
GI	none	Score	217
Exons	1452..1706, 1464..1706, 1716..1910		

Seq. No.	49058	Seq. ID	OJ990512_08.0419.C10
Gene No.	104457	Strand	+
Start	1	End	2229
Name	OJ990512_08.0419.C10.o2.ts	Method	TBLASTX:Soybean
Start	1740	End	1982
GI	none	Score	216
Exons	1740..1982		

Seq. No.	49058	Seq. ID	OJ990512_08.0419.C10
Gene No.	104457	Strand	+
Start	1	End	2229
Name	OJ990512_08.0419.C10.o3.tw	Method	TBLASTX:Wheat
Start	1971	End	2228
GI	none	Score	105
Exons	1971..2093, 1973..2116, 2090..2227, 2091..2228		

Seq. No.	49059	Seq. ID	OJ990512_08.0419.C22
Gene No.	104458	Strand	+
Start	19	End	2997
Name	OJ990512_08.0419.C22.o1.np	Method	AAT/NAP
Start	19	End	2997
GI	7488211	Score	1497
Exons	19..97, 557..1123, 2187..2863, 2894..2997		
GI Descrip.	probable sugar transport protein F23E12.140 - Arabidopsis thaliana gi|3080420|emb|CAA18739.1| (AL022604) putative sugar transporter protein [Arabidopsis thaliana] gi|7270482|emb|CAB80247.1| (AL161587) putative sugar transporter		

protein [Arabidopsis thaliana]

Seq. No.	49059	Seq. ID	OJ990512_08.0419.C22
Gene No.	104458	Strand	+
Start	19	End	2997
Name	OJ990512_08.0419.C22.o1.tc	Method	TBLASTX:Cress
Start	60	End	2989
GI	none	Score	70
Exons	60..107, 61..114, 74..109, 601..702, 602..697, 604..1122, 606..1118, 745..1119, 795..1124, 2189..2305, 2306..2356, 2380..2559, 2381..2560, 2601..2639, 2621..2794, 2765..2821, 2873..2941, 2936..2989		

Seq. No.	49059	Seq. ID	OJ990512_08.0419.C22
Gene No.	104458	Strand	+
Start	19	End	2997
Name	OJ990512_08.0419.C22.o3.tw	Method	TBLASTX:Wheat
Start	60	End	681
GI	none	Score	56
Exons	60..98, 61..99, 63..98, 524..676, 532..675, 546..680, 547..681		

Seq. No.	49059	Seq. ID	OJ990512_08.0419.C22
Gene No.	104458	Strand	+
Start	19	End	2997
Name	OJ990512_08.0419.C22.o1.gs	Method	GENSCAN
Start	83	End	2980
GI	none	Score	.64
Exons	83..152, 557..1123, 2187..2980		

Seq. No.	49059	Seq. ID	OJ990512_08.0419.C22
Gene No.	104458	Strand	+
Start	19	End	2997
Name	OJ990512_08.0419.C22.o2.tm	Method	TBLASTX:Maize
Start	633	End	939
GI	none	Score	103
Exons	633..938, 634..702, 645..938, 751..939		

Seq. No.	49059	Seq. ID	OJ990512_08.0419.C22
Gene No.	104458	Strand	+
Start	19	End	2997
Name	OJ990512_08.0419.C22.o1.ts	Method	TBLASTX:Soybean
Start	649	End	2224
GI	none	Score	603
Exons	649..1125, 654..1124, 980..1144, 2183..2224		

Seq. No.	49059	Seq. ID	OJ990512_08.0419.C22
Gene No.	104458	Strand	+
Start	19	End	2997
Name	OJ990512_08.0419.C22.o1.tw	Method	TBLASTX:Wheat
Start	841	End	1071
GI	none	Score	365
Exons	841..1071, 843..1070		

Seq. No.	49059	Seq. ID	OJ990512_08.0419.C22
Gene No.	104458	Strand	+
Start	19	End	2997
Name	OJ990512_08.0419.C22.o1.tm	Method	TBLASTX:Maize

Start	1020	End	2997
GI	none	Score	111
Exons	1020..1124, 1020..1136, 1021..1125, 2139..2249, 2143..2562, 2183..2995, 2186..2995, 2866..2997, 2872..2997		

Seq. No.	49059	Seq. ID	OJ990512_08.0419.C22
Gene No.	104458	Strand	+
Start	19	End	2997
Name	OJ990512_08.0419.C22.o2.tw	Method	TBLASTX:Wheat
Start	1071	End	2446
GI	none	Score	76
Exons	1071..1124, 1072..1125, 2175..2249, 2183..2281, 2185..2280, 2186..2305, 2266..2364, 2297..2365, 2363..2446		

Seq. No.	49059	Seq. ID	OJ990512_08.0419.C22
Gene No.	104458	Strand	+
Start	19	End	2997
Name	OJ990512_08.0419.C22.o2.ts	Method	TBLASTX:Soybean
Start	2227	End	2746
GI	none	Score	144
Exons	2227..2379, 2228..2380, 2365..2493, 2381..2494, 2381..2494, 2488..2526, 2489..2518, 2507..2746, 2574..2627		

Seq. No.	49059	Seq. ID	OJ990512_08.0419.C22
Gene No.	104458	Strand	+
Start	19	End	2997
Name	OJ990512_08.0419.C22.o1.gp	Method	AAT/GAP
Start	2417	End	2875
GI	29902_1.R1084	Score	903
Exons	2417..2875		
GI Descrip.	'3080420/emb|CAA18739.1| 5.0e-31 (AL022604) putative sugar transporter protein [Arabidopsis thaliana]'		

Seq. No.	49060	Seq. ID	OJ990512_08.0419.C24
Gene No.	104459	Strand	+
Start	256	End	454
Name	OJ990512_08.0419.C24.o1.gs	Method	GENSCAN
Start	256	End	454
GI	none	Score	.61
Exons	256..454		

Seq. No.	49060	Seq. ID	OJ990512_08.0419.C24
Gene No.	104460	Strand	-
Start	1	End	1523
Name	OJ990512_08.0419.C24.o1.np	Method	AAT/NAP
Start	1	End	1523
GI	6456171	Score	276
Exons	1..216, 676..1012, 1204..1376, 1452..1523		
GI Descrip.	(AC011622) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	49060	Seq. ID	OJ990512_08.0419.C24
Gene No.	104460	Strand	-
Start	1	End	1523
Name	OJ990512_08.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	352	End	1522
GI	none	Score	60
Exons	352..435, 959..1015, 1165..1377, 1216..1374, 1280..1378,		

1450..1521, 1451..1522

Seq. No.	49060	Seq. ID	OJ990512_08.0419.C24
Gene No.	104460	Strand	-
Start	1	End	1523
Name	OJ990512_08.0419.C24.o2.gs	Method	GENSCAN
Start	605	End	1376
GI	none	Score	.66
Exons	605..1012, 1204..1376		

Seq. No.	49060	Seq. ID	OJ990512_08.0419.C24
Gene No.	104460	Strand	-
Start	1	End	1523
Name	OJ990512_08.0419.C24.o1.ts	Method	TBLASTX:Soybean
Start	764	End	1374
GI	none	Score	69
Exons	764..850, 780..839, 941..1015, 1216..1374, 1280..1369		

Seq. No.	49060	Seq. ID	OJ990512_08.0419.C24
Gene No.	104460	Strand	-
Start	1	End	1523
Name	OJ990512_08.0419.C24.o1.tw	Method	TBLASTX:Wheat
Start	944	End	1510
GI	none	Score	82
Exons	944..1015, 1201..1248, 1216..1308, 1216..1377, 1280..1378, 1292..1390, 1450..1509, 1451..1510		

Seq. No.	49060	Seq. ID	OJ990512_08.0419.C24
Gene No.	104460	Strand	-
Start	1	End	1523
Name	OJ990512_08.0419.C24.o1.tc	Method	TBLASTX:Cress
Start	1216	End	1521
GI	none	Score	56
Exons	1216..1377, 1219..1356, 1283..1378, 1450..1521, 1451..1513		

Seq. No.	49061	Seq. ID	OJ990512_08.0419.C25
Gene No.	104461	Strand	-
Start	1	End	1557
Name	OJ990512_08.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	1557
GI	7109485	Score	730
Exons	1..18, 98..258, 455..655, 770..876, 1032..1211, 1296..1391, 1492..1557		
GI Descrip.	(AC016662) putative kinesin [Arabidopsis thaliana]		

Seq. No.	49061	Seq. ID	OJ990512_08.0419.C25
Gene No.	104461	Strand	-
Start	1	End	1557
Name	OJ990512_08.0419.C25.o1.tc	Method	TBLASTX:Cress
Start	89	End	1392
GI	none	Score	107
Exons	89..235, 100..234, 234..266, 452..667, 488..649, 770..877, 771..878, 1034..1105, 1045..1212, 1163..1213, 1270..1392		

Seq. No.	49061	Seq. ID	OJ990512_08.0419.C25
Gene No.	104461	Strand	-
Start	1	End	1557

Name	OJ990512_08.0419.C25.o2.tm	Method	TBLASTX:Maize
Start	89	End	259
GI	none	Score	162
Exons	89..256, 100..255, 179..259		

Seq. No.	49061	Seq. ID	OJ990512_08.0419.C25
Gene No.	104461	Strand	-
Start	1	End	1557
Name	OJ990512_08.0419.C25.o1.gs	Method	GENSCAN
Start	98	End	1391
GI	none	Score	.95
Exons	98..257, 493..655, 770..876, 1032..1211, 1296..1391		

Seq. No.	49061	Seq. ID	OJ990512_08.0419.C25
Gene No.	104461	Strand	-
Start	1	End	1557
Name	OJ990512_08.0419.C25.o1.ts	Method	TBLASTX:Soybean
Start	476	End	1401
GI	none	Score	43
Exons	476..652, 490..549, 500..652, 585..656, 770..871, 771..878, 1045..1107, 1129..1212, 1130..1225, 1270..1401		

Seq. No.	49061	Seq. ID	OJ990512_08.0419.C25
Gene No.	104461	Strand	-
Start	1	End	1557
Name	OJ990512_08.0419.C25.o1.tm	Method	TBLASTX:Maize
Start	542	End	1401
GI	none	Score	69
Exons	542..655, 545..655, 770..871, 771..878, 1029..1202, 1045..1212, 1046..1213, 1076..1213, 1270..1401, 1292..1363		

Seq. No.	49062	Seq. ID	OJ990512_08.0419.C28
Gene No.	104462	Strand	+
Start	93	End	289
Name	OJ990512_08.0419.C28.o1.tm	Method	TBLASTX:Maize
Start	3	End	288
GI	none	Score	194
Exons	3..104, 5..229, 6..230, 224..253, 250..288		

Seq. No.	49062	Seq. ID	OJ990512_08.0419.C28
Gene No.	104462	Strand	+
Start	93	End	289
Name	OJ990512_08.0419.C28.o1.gs	Method	GENSCAN
Start	93	End	289
GI	none	Score	.98
Exons	93..289		

Seq. No.	49063	Seq. ID	OJ990512_08.0419.C31
Gene No.	104463	Strand	+
Start	319	End	597
Name	OJ990512_08.0419.C31.o1.gs	Method	GENSCAN
Start	319	End	597
GI	none	Score	.7
Exons	319..406, 479..597		

Seq. No.	49064	Seq. ID	OJ990512_08.0419.C34
Gene No.	104464	Strand	+

Start	364	End	1018
Name	OJ990512_08.0419.C34.o1.np	Method	AAT/NAP
Start	364	End	1018
GI	6063554	Score	87
Exons	364..557, 870..1018		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49064	Seq. ID	OJ990512_08.0419.C34
Gene No.	104464	Strand	+
Start	364	End	1018
Name	OJ990512_08.0419.C34.o1.gs	Method	GENSCAN
Start	902	End	990
GI	none	Score	.87
Exons	902..990		

Seq. No.	49065	Seq. ID	OJ990512_08.0419.C36
Gene No.	104465	Strand	+
Start	1	End	2456
Name	OJ990512_08.0419.C36.o1.np	Method	AAT/NAP
Start	1	End	1475
GI	4680186	Score	343
Exons	1..99, 412..460, 1298..1475		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49065	Seq. ID	OJ990512_08.0419.C36
Gene No.	104465	Strand	+
Start	1	End	2456
Name	OJ990512_08.0419.C36.o2.np	Method	AAT/NAP
Start	1	End	1498
GI	4680186	Score	377
Exons	1..99, 412..460, 1298..1498		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49065	Seq. ID	OJ990512_08.0419.C36
Gene No.	104465	Strand	+
Start	1	End	2456
Name	OJ990512_08.0419.C36.o1.gs	Method	GENSCAN
Start	125	End	2331
GI	none	Score	.58
Exons	125..178, 275..416, 1358..1451, 2183..2331		

Seq. No.	49065	Seq. ID	OJ990512_08.0419.C36
Gene No.	104465	Strand	+
Start	1	End	2456
Name	OJ990512_08.0419.C36.o3.np	Method	AAT/NAP
Start	243	End	2456
GI	5852180	Score	288
Exons	243..298, 1148..1201, 2183..2301, 2353..2456		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	49065	Seq. ID	OJ990512_08.0419.C36
Gene No.	104466	Strand	-
Start	27	End	459
Name	OJ990512_08.0419.C36.o1.gp	Method	AAT/GAP
Start	27	End	459

GI	uC-osflcyp033a04b1	Score	527
Exons	27..345, 436..459		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49065	Seq. ID	OJ990512_08.0419.C36
Gene No.	104467	Strand	-
Start	1050	End	1431
Name	OJ990512_08.0419.C36.o2.gp	Method	AAT/GAP
Start	1050	End	1431
GI	uC-osflcyp033a04b1	Score	671
Exons	1050..1431		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49066	Seq. ID	OJ990512_08.0419.C37
Gene No.	104468	Strand	-
Start	1	End	977
Name	OJ990512_08.0419.C37.o1.np	Method	AAT/NAP
Start	1	End	977
GI	6983860	Score	1335
Exons	1..977		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	49066	Seq. ID	OJ990512_08.0419.C37
Gene No.	104468	Strand	-
Start	1	End	977
Name	OJ990512_08.0419.C37.o2.tw	Method	TBLASTX:Wheat
Start	58	End	535
GI	none	Score	89
Exons	58..180, 59..184, 185..535, 213..479		

Seq. No.	49066	Seq. ID	OJ990512_08.0419.C37
Gene No.	104468	Strand	-
Start	1	End	977
Name	OJ990512_08.0419.C37.o1.gs	Method	GENSCAN
Start	170	End	925
GI	none	Score	.93
Exons	170..925		

Seq. No.	49066	Seq. ID	OJ990512_08.0419.C37
Gene No.	104468	Strand	-
Start	1	End	977
Name	OJ990512_08.0419.C37.o1.tm	Method	TBLASTX:Maize
Start	257	End	577
GI	none	Score	172
Exons	257..565, 260..577, 315..566		

Seq. No.	49066	Seq. ID	OJ990512_08.0419.C37
Gene No.	104468	Strand	-
Start	1	End	977
Name	OJ990512_08.0419.C37.o1.ts	Method	TBLASTX:Soybean
Start	493	End	754
GI	none	Score	107
Exons	493..675, 494..754, 495..626		

Seq. No.	49066	Seq. ID	OJ990512_08.0419.C37
Gene No.	104468	Strand	-
Start	1	End	977
Name	OJ990512_08.0419.C37.o1.tc	Method	TBLASTX:Cress
Start	518	End	835
GI	none	Score	77
Exons	518..661, 519..611, 662..835		

Seq. No.	49066	Seq. ID	OJ990512_08.0419.C37
Gene No.	104468	Strand	-
Start	1	End	977
Name	OJ990512_08.0419.C37.o1.tw	Method	TBLASTX:Wheat
Start	542	End	977
GI	none	Score	299
Exons	542..976, 543..977		

Seq. No.	49066	Seq. ID	OJ990512_08.0419.C37
Gene No.	104468	Strand	-
Start	1	End	977
Name	OJ990512_08.0419.C37.o2.tm	Method	TBLASTX:Maize
Start	578	End	892
GI	none	Score	102
Exons	578..892, 579..782, 728..868		

Seq. No.	49067	Seq. ID	OJ990512_08.0419.C38
Gene No.	104469	Strand	-
Start	410	End	528
Name	OJ990512_08.0419.C38.o1.gs	Method	GENSCAN
Start	410	End	528
GI	none	Score	.9
Exons	410..528		

Seq. No.	49068	Seq. ID	OJ990512_08.0419.C40
Gene No.	104470	Strand	+
Start	279	End	1598
Name	OJ990512_08.0419.C40.o1.gs	Method	GENSCAN
Start	279	End	1598
GI	none	Score	.84
Exons	279..287, 404..463, 1458..1598		

Seq. No.	49069	Seq. ID	OJ990512_08.0419.C41
Gene No.	104471	Strand	+
Start	329	End	1599
Name	OJ990512_08.0419.C41.o1.ts	Method	TBLASTX:Soybean
Start	319	End	987
GI	none	Score	110
Exons	319..414, 323..415, 457..588, 473..589, 479..598, 480..599, 823..987, 823..987		

Seq. No.	49069	Seq. ID	OJ990512_08.0419.C41
Gene No.	104471	Strand	+
Start	329	End	1599
Name	OJ990512_08.0419.C41.o1.tc	Method	TBLASTX:Cress
Start	326	End	987
GI	none	Score	98
Exons	326..418, 349..405, 469..579, 472..588, 473..589, 479..598, 874..987, 874..987		

Seq. No.	49069	Seq. ID	OJ990512_08.0419.C41
Gene No.	104471	Strand	+
Start	329	End	1599
Name	OJ990512_08.0419.C41.o1.np	Method	AAT/NAP
Start	329	End	1314
GI	4093155	Score	332
Exons	329..590, 857..989, 1215..1314		
GI Descrip.	(AF088281) phytochrome-associated protein 1 [Arabidopsis thaliana]		

Seq. No.	49069	Seq. ID	OJ990512_08.0419.C41
Gene No.	104471	Strand	+
Start	329	End	1599
Name	OJ990512_08.0419.C41.o1.gs	Method	GENSCAN
Start	337	End	1599
GI	none	Score	.68
Exons	337..590, 842..989, 1572..1599		

Seq. No.	49069	Seq. ID	OJ990512_08.0419.C41
Gene No.	104471	Strand	+
Start	329	End	1599
Name	OJ990512_08.0419.C41.o1.tm	Method	TBLASTX:Maize
Start	362	End	571
GI	none	Score	110
Exons	362..433, 364..417, 369..467, 457..570, 460..528, 470..571, 470..571		

Seq. No.	49069	Seq. ID	OJ990512_08.0419.C41
Gene No.	104471	Strand	+
Start	329	End	1599
Name	OJ990512_08.0419.C41.o1.gp	Method	AAT/GAP
Start	433	End	949
GI	21437_1.R1084	Score	496
Exons	433..590, 842..949		
GI Descrip.	'4093155 1.0e-36 (AF088281) phytochrome-associated protein 1 [Arabidopsis thaliana]'		

Seq. No.	49069	Seq. ID	OJ990512_08.0419.C41
Gene No.	104471	Strand	+
Start	329	End	1599
Name	OJ990512_08.0419.C41.o3.gp	Method	AAT/GAP
Start	950	End	1468
GI	21437_1.R1084	Score	311
Exons	950..989, 1215..1275, 1368..1468		
GI Descrip.	'4093155 1.0e-36 (AF088281) phytochrome-associated protein 1 [Arabidopsis thaliana]'		

Seq. No.	49070	Seq. ID	OJ990512_08.0419.C43
Gene No.	104472	Strand	-
Start	509	End	660
Name	OJ990512_08.0419.C43.o1.gs	Method	GENSCAN
Start	509	End	660
GI	none	Score	.47
Exons	509..660		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46

Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o1.np	Method	AAT/NAP
Start	1	End	2511
GI	4680179	Score	2851
Exons	1..580, 614..2511		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46
Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o4.tm	Method	TBLASTX:Maize
Start	3	End	335
GI	none	Score	210
Exons	3..335, 17..103		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46
Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o4.tw	Method	TBLASTX:Wheat
Start	6	End	323
GI	none	Score	259
Exons	6..323, 8..166		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46
Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o5.tm	Method	TBLASTX:Maize
Start	605	End	958
GI	none	Score	188
Exons	605..958		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46
Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o5.tw	Method	TBLASTX:Wheat
Start	641	End	1078
GI	none	Score	164
Exons	641..850, 697..849, 895..1008, 896..1009, 1037..1078		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46
Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o2.tw	Method	TBLASTX:Wheat
Start	1174	End	1660
GI	none	Score	52
Exons	1174..1617, 1178..1228, 1283..1660		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46
Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o3.tm	Method	TBLASTX:Maize
Start	1189	End	1479
GI	none	Score	276
Exons	1189..1479, 1190..1477		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46

Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o2.tm	Method	TBLASTX:Maize
Start	1547	End	2047
GI	none	Score	167
Exons	1547..1726, 1555..1701, 1733..2047, 1873..1917, 1954..2004		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46
Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o1.ts	Method	TBLASTX:Soybean
Start	1601	End	1996
GI	none	Score	57
Exons	1601..1633, 1603..1632, 1637..1996, 1639..1677, 1705..1995		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46
Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o3.tw	Method	TBLASTX:Wheat
Start	1709	End	2011
GI	none	Score	372
Exons	1709..2011, 1711..1995		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46
Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o1.tw	Method	TBLASTX:Wheat
Start	2012	End	2509
GI	none	Score	607
Exons	2012..2509, 2026..2433, 2060..2437		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46
Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o2.ts	Method	TBLASTX:Soybean
Start	2018	End	2263
GI	none	Score	203
Exons	2018..2263, 2020..2151		

Seq. No.	49071	Seq. ID	OJ990512_08.0419.C46
Gene No.	104473	Strand	+
Start	1	End	2511
Name	OJ990512_08.0419.C46.o1.tm	Method	TBLASTX:Maize
Start	2083	End	2446
GI	none	Score	469
Exons	2083..2433, 2084..2437, 2084..2446		

Seq. No.	49072	Seq. ID	OJ990512_08.0419.C49
Gene No.	104474	Strand	+
Start	155	End	472
Name	OJ990512_08.0419.C49.o1.gp	Method	AAT/GAP
Start	155	End	472
GI	none	Score	467
Exons	155..472		

Seq. No.	49072	Seq. ID	OJ990512_08.0419.C49
Gene No.	104475	Strand	-

Start	756	End	1810
Name	OJ990512_08.0419.C49.o1.gs	Method	GENSCAN
Start	756	End	1752
GI	none	Score	.92
Exons	756..1101, 1142..1262, 1376..1752		

Seq. No.	49072	Seq. ID	OJ990512_08.0419.C49
Gene No.	104475	Strand	-
Start	756	End	1810
Name	OJ990512_08.0419.C49.o2.tm	Method	TBLASTX:Maize
Start	762	End	1270
GI	none	Score	52
Exons	762..797, 763..798, 891..1085, 892..1080, 1165..1266, 1213..1266, 1220..1270		

Seq. No.	49072	Seq. ID	OJ990512_08.0419.C49
Gene No.	104475	Strand	-
Start	756	End	1810
Name	OJ990512_08.0419.C49.o1.np	Method	AAT/NAP
Start	825	End	1810
GI	5107831	Score	493
Exons	825..1262, 1376..1810		
GI Descrip.	(AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]		

Seq. No.	49072	Seq. ID	OJ990512_08.0419.C49
Gene No.	104475	Strand	-
Start	756	End	1810
Name	OJ990512_08.0419.C49.o1.ts	Method	TBLASTX:Soybean
Start	1350	End	1745
GI	none	Score	119
Exons	1350..1562, 1350..1631, 1351..1602, 1635..1745		

Seq. No.	49072	Seq. ID	OJ990512_08.0419.C49
Gene No.	104475	Strand	-
Start	756	End	1810
Name	OJ990512_08.0419.C49.o1.tc	Method	TBLASTX:Cress
Start	1377	End	1745
GI	none	Score	113
Exons	1377..1610, 1378..1599, 1629..1745		

Seq. No.	49072	Seq. ID	OJ990512_08.0419.C49
Gene No.	104475	Strand	-
Start	756	End	1810
Name	OJ990512_08.0419.C49.o1.tm	Method	TBLASTX:Maize
Start	1377	End	1745
GI	none	Score	168
Exons	1377..1610, 1378..1608, 1629..1745		

Seq. No.	49072	Seq. ID	OJ990512_08.0419.C49
Gene No.	104475	Strand	-
Start	756	End	1810
Name	OJ990512_08.0419.C49.o1.tw	Method	TBLASTX:Wheat
Start	1473	End	1745
GI	none	Score	91

Exons	1473..1610, 1474..1611, 1629..1745		
Seq. No.	49073	Seq. ID	OJ990512_08.0419.C50
Gene No.	104476	Strand	-
Start	1	End	944
Name	OJ990512_08.0419.C50.o1.gp	Method	AAT/GAP
Start	1	End	477
GI	LIB3475-001-P1-K2-G8	Score	930
Exons	1..477		
GI Descrip.	'5107831/gb|AAD40144.1|AF149413_25 5.0e-28 (AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]'		
Seq. No.	49073	Seq. ID	OJ990512_08.0419.C50
Gene No.	104476	Strand	-
Start	1	End	944
Name	OJ990512_08.0419.C50.o1.np	Method	AAT/NAP
Start	1	End	944
GI	5107831	Score	729
Exons	1..944		
GI Descrip.	(AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]		
Seq. No.	49073	Seq. ID	OJ990512_08.0419.C50
Gene No.	104476	Strand	-
Start	1	End	944
Name	OJ990512_08.0419.C50.o1.tc	Method	TBLASTX:Cress
Start	6	End	944
GI	none	Score	37
Exons	6..152, 37..69, 42..149, 152..382, 173..346, 179..385, 179..361, 179..319, 180..350, 182..388, 182..361, 183..362, 188..343, 191..358, 191..391, 192..293, 254..406, 254..361, 263..361, 264..383, 395..454, 446..583, 452..757, 455..943, 455..943, 455..727, 455..835, 455..838, 458..550, 459..800, 464..802, 485..943, 527..829, 537..836, 537..773, 546..782, 594..701, 671..943, 687..944, 692..829, 738..935, 746..835, 806..943, 887..943, 894..935		
Seq. No.	49073	Seq. ID	OJ990512_08.0419.C50
Gene No.	104476	Strand	-
Start	1	End	944
Name	OJ990512_08.0419.C50.o1.tm	Method	TBLASTX:Maize
Start	111	End	944
GI	none	Score	59
Exons	111..152, 179..394, 179..382, 194..361, 261..359, 263..382, 446..715, 455..802, 458..838, 528..932, 530..943, 603..944		
Seq. No.	49073	Seq. ID	OJ990512_08.0419.C50
Gene No.	104476	Strand	-
Start	1	End	944
Name	OJ990512_08.0419.C50.o1.ts	Method	TBLASTX:Soybean
Start	179	End	943
GI	none	Score	79
Exons	179..415, 182..382, 183..353, 191..358, 191..361, 240..362,		

374..448, 392..463, 425..631, 443..631, 452..943, 452..733, 455..943, 455..799, 455..919, 531..842, 608..943, 677..937, 725..943, 753..929

Seq. No.	49073	Seq. ID	OJ990512_08.0419.C50
Gene No.	104476	Strand	-
Start	1	End	944
Name	OJ990512_08.0419.C50.o1.gs	Method	GENSCAN
Start	202	End	922
GI	none	Score	.97
Exons	202..922		

Seq. No.	49074	Seq. ID	OJ990512_08.0419.C52
Gene No.	104477	Strand	-
Start	452	End	742
Name	OJ990512_08.0419.C52.o1.gs	Method	GENSCAN
Start	452	End	742
GI	none	Score	.47
Exons	452..742		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o1.np	Method	AAT/NAP
Start	177	End	2972
GI	6630685	Score	3228
Exons	177..2972		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o2.tw	Method	TBLASTX:Wheat
Start	342	End	794
GI	none	Score	151
Exons	342..467, 347..451, 381..476, 507..785, 507..794		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o1.gs	Method	GENSCAN
Start	399	End	5662
GI	none	Score	.46
Exons	399..761, 873..2283, 4578..5662		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o2.tm	Method	TBLASTX:Maize
Start	455	End	1252
GI	none	Score	101
Exons	455..529, 456..527, 527..1105, 528..1145, 1154..1252, 1158..1208		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662

Name	OJ990922_08.0419.C1.o3.ts	Method	TBLASTX:Soybean
Start	636	End	1097
GI	none	Score	340
Exons	636..1097, 665..826, 893..1045		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o3.tc	Method	TBLASTX:Cress
Start	678	End	1094
GI	none	Score	200
Exons	678..1094		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o4.tw	Method	TBLASTX:Wheat
Start	879	End	1210
GI	none	Score	100
Exons	879..956, 963..1109, 972..1109, 973..1116, 1131..1208, 1157..1210		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o4.tm	Method	TBLASTX:Maize
Start	1302	End	1604
GI	none	Score	303
Exons	1302..1565, 1311..1550, 1337..1564, 1554..1604, 1556..1603		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o1.ts	Method	TBLASTX:Soybean
Start	1332	End	1945
GI	5509260	Score	723
Exons	1332..1940, 1425..1937, 1427..1945, 1682..1945		
GI Descrip.	-		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o1.tw	Method	TBLASTX:Wheat
Start	1461	End	1937
GI	none	Score	81
Exons	1461..1550, 1557..1583, 1574..1927, 1584..1931, 1590..1718, 1591..1794, 1592..1930, 1761..1937		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o2.tc	Method	TBLASTX:Cress
Start	1554	End	1826
GI	none	Score	200
Exons	1554..1826, 1554..1700		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1

Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o3.tm	Method	TBLASTX:Maize
Start	1605	End	2073
GI	none	Score	573
Exons	1605..2072, 1605..1724, 1607..2071, 1855..2073		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o5.tm	Method	TBLASTX:Maize
Start	2114	End	2306
GI	none	Score	256
Exons	2114..2305, 2115..2306		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o3.tw	Method	TBLASTX:Wheat
Start	2121	End	2552
GI	none	Score	102
Exons	2121..2282, 2295..2552		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o1.tm	Method	TBLASTX:Maize
Start	2307	End	3040
GI	none	Score	916
Exons	2307..2969, 2309..2983, 2870..3040		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o2.ts	Method	TBLASTX:Soybean
Start	2316	End	2981
GI	none	Score	295
Exons	2316..2699, 2321..2692, 2328..2699, 2733..2981, 2741..2908		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o1.tc	Method	TBLASTX:Cress
Start	2496	End	2954
GI	none	Score	69
Exons	2496..2585, 2589..2723, 2709..2954, 2735..2902		

Seq. No.	49075	Seq. ID	OJ990922_08.0419.C1
Gene No.	104478	Strand	+
Start	177	End	5662
Name	OJ990922_08.0419.C1.o5.tw	Method	TBLASTX:Wheat
Start	2589	End	2921
GI	none	Score	99
Exons	2589..2714, 2609..2710, 2733..2921, 2789..2908		

Seq. No.	49076	Seq. ID	OJ990922_08.0419.C4
Gene No.	104479	Strand	+

Start	76	End	1436
Name	OJ990922_08.0419.C4.o1.gs	Method	GENSCAN
Start	76	End	1436
GI	none	Score	.74
Exons	76..243, 431..635, 1231..1436		

Seq. No.	49077	Seq. ID	OJ990922_08.0419.C5
Gene No.	104480	Strand	+
Start	383	End	2592
Name	OJ990922_08.0419.C5.o1.np	Method	AAT/NAP
Start	383	End	2586
GI	7486718	Score	707
Exons	383..622, 2022..2277, 2366..2586		
GI Descrip.	hypothetical protein F8M12.9 - Arabidopsis thaliana gi|3513738|gb|AAC33954.1| (AF080118) similar to the GDSL family of lipolytic enzymes [Arabidopsis thaliana]		

Seq. No.	49077	Seq. ID	OJ990922_08.0419.C5
Gene No.	104480	Strand	+
Start	383	End	2592
Name	OJ990922_08.0419.C5.o1.gs	Method	GENSCAN
Start	386	End	2592
GI	none	Score	.76
Exons	386..622, 2022..2277, 2366..2592		

Seq. No.	49077	Seq. ID	OJ990922_08.0419.C5
Gene No.	104481	Strand	-
Start	3445	End	4386
Name	OJ990922_08.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	3440	End	4386
GI	none	Score	92
Exons	3440..3511, 3446..3511, 3447..3512, 3619..3735, 3620..3736, 3623..3733, 3818..3904, 3820..3891, 3842..3910, 4322..4384, 4324..4386		

Seq. No.	49077	Seq. ID	OJ990922_08.0419.C5
Gene No.	104481	Strand	-
Start	3445	End	4386
Name	OJ990922_08.0419.C5.o2.gs	Method	GENSCAN
Start	3445	End	3889
GI	none	Score	.91
Exons	3445..3508, 3620..3732, 3818..3889		

Seq. No.	49077	Seq. ID	OJ990922_08.0419.C5
Gene No.	104481	Strand	-
Start	3445	End	4386
Name	OJ990922_08.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	3457	End	3892
GI	none	Score	54
Exons	3457..3528, 3458..3508, 3583..3732, 3620..3748, 3821..3892		

Seq. No.	49077	Seq. ID	OJ990922_08.0419.C5
Gene No.	104481	Strand	-
Start	3445	End	4386
Name	OJ990922_08.0419.C5.o2.np	Method	AAT/NAP
Start	3457	End	4379
GI	6633832	Score	199

Exons	3457..3539, 3620..3732, 3818..3898, 4327..4379		
GI Descrip.	(AC009519) F1N19.5 [Arabidopsis thaliana]		
Seq. No.	49077	Seq. ID	OJ990922_08.0419.C5
Gene No.	104481	Strand	-
Start	3445	End	4386
Name	OJ990922_08.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	3619	End	4386
GI	none	Score	82
Exons	3619..3735, 3635..3763, 3817..3891, 3818..3904, 3842..3904, 4322..4378, 4324..4386		
Seq. No.	49078	Seq. ID	OJ990922_08.0419.C7
Gene No.	104482	Strand	+
Start	240	End	632
Name	OJ990922_08.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	87	End	432
GI	none	Score	58
Exons	87..203, 292..432, 295..420		
Seq. No.	49078	Seq. ID	OJ990922_08.0419.C7
Gene No.	104482	Strand	+
Start	240	End	632
Name	OJ990922_08.0419.C7.o1.gs	Method	GENSCAN
Start	240	End	632
GI	none	Score	.78
Exons	240..386, 450..632		
Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104483	Strand	+
Start	1	End	6757
Name	OJ990922_08.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	4892
GI	2120736	Score	686
Exons	1..23, 219..477, 1190..1376, 2151..2185, 2266..3378, 4348..4892		
GI Descrip.	X-Pro dipeptidyl-peptidase (EC 3.4.14.11) - Xanthomonas maltophilia gi|1753197|dbj|BAA11872| (D83263) dipeptidyl peptidase IV [Stenotrophomonas maltophilia]		
Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104483	Strand	+
Start	1	End	6757
Name	OJ990922_08.0419.C8.o1.gs	Method	GENSCAN
Start	64	End	6757
GI	none	Score	.65
Exons	64..498, 1190..1384, 2156..2185, 2266..3378, 4348..4838, 5120..5188, 6604..6757		
Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104483	Strand	+
Start	1	End	6757
Name	OJ990922_08.0419.C8.o1.gp	Method	AAT/GAP
Start	2692	End	3210
GI	uC-osflcyp071g10b1	Score	1001
Exons	2692..3210		
GI Descrip.	'4415931/gb|AAD20161| 8.0e-42 (AC006418) unknown protein [Arabidopsis thaliana] >gi_4559393_gb_AAD23053.1_AC006526_18		

(AC006526) unknown protein [Arabidopsis thaliana]'

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104484	Strand	+
Start	8364	End	10427
Name	OJ990922_08.0419.C8.o2.gs	Method	GENSCAN
Start	8364	End	10427
GI	none	Score	.84
Exons	8364..9668, 10035..10427		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104484	Strand	+
Start	8364	End	10427
Name	OJ990922_08.0419.C8.o2.np	Method	AAT/NAP
Start	8364	End	10412
GI	4415931	Score	1462
Exons	8364..9668, 10035..10412		
GI Descrip.	(AC006418) putative ubiquitin [Arabidopsis thaliana]		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104484	Strand	+
Start	8364	End	10427
Name	OJ990922_08.0419.C8.o2.gp	Method	AAT/GAP
Start	8763	End	9350
GI	5607405	Score	1144
Exons	8763..9350		
GI Descrip.	4415931/gb|AAD20161| 8.0e-42 (AC006418) unknown protein [Arabidopsis thaliana] >gi_4559393_gb_AAD23053.1_AC006526_18 (AC006526) unknown protein [Arabidopsis thaliana]		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104485	Strand	+
Start	14806	End	17834
Name	OJ990922_08.0419.C8.o4.gs	Method	GENSCAN
Start	14806	End	17834
GI	none	Score	.91
Exons	14806..14893, 15192..15537, 16208..16313, 17607..17834		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o5.tm	Method	TBLASTX:Maize
Start	262	End	1363
GI	none	Score	36
Exons	262..285, 298..453, 301..339, 460..543, 462..497, 1188..1349, 1190..1354, 1192..1362, 1193..1363		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	1267	End	4530
GI	none	Score	120
Exons	1267..1380, 1268..1381, 2159..2194, 2161..2202, 2257..2724, 2264..2722, 2265..2729, 2266..2724, 2728..3381, 2729..2935, 2731..3051, 2739..3377, 3259..3378, 4342..4530, 4342..4530		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o2.tw	Method	TBLASTX:Wheat
Start	1276	End	2460
GI	none	Score	53
Exons	1276..1341, 1276..1317, 1277..1321, 1299..1385, 1319..1387, 2153..2194, 2158..2181, 2265..2390, 2265..2459, 2266..2460		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	2733	End	3027
GI	none	Score	292
Exons	2733..3026, 2733..3026, 2734..3027		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o6.tm	Method	TBLASTX:Maize
Start	3028	End	3186
GI	none	Score	176
Exons	3028..3165, 3029..3103, 3033..3134, 3145..3186, 3147..3185		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	3207	End	5064
GI	none	Score	175
Exons	3207..3377, 3207..3428, 3208..3381, 4332..4478, 4342..4830, 4342..4830, 4830..4895, 4831..4899, 4957..4989, 4999..5064		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	3282	End	4554
GI	none	Score	141
Exons	3282..3431, 3283..3381, 4332..4478, 4342..4554, 4342..4551		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o3.ts	Method	TBLASTX:Soybean
Start	4582	End	4899
GI	none	Score	451
Exons	4582..4899, 4582..4896		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	8337	End	10478
GI	none	Score	46
Exons	8337..8423, 8360..8422, 8436..8756, 8438..8566, 8438..8809,		

8442..9002, 8608..8973, 8808..8996, 8928..9062, 9008..9055, 9056..9454, 9057..9443, 9127..9444, 9452..9616, 9453..9617, 9454..9621, 9457..9627, 9614..9667, 9621..9668, 9627..9677, 9629..9676, 10019..10408, 10026..10400, 10032..10412, 10416..10478

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o3.tc	Method	TBLASTX:Cress
Start	8492	End	8777
GI	none	Score	256
Exons	8492..8764, 8493..8777		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o5.ts	Method	TBLASTX:Soybean
Start	8496	End	8696
GI	none	Score	230
Exons	8496..8696, 8516..8653		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o2.ts	Method	TBLASTX:Soybean
Start	9023	End	9617
GI	none	Score	369
Exons	9023..9382, 9045..9377, 9140..9379, 9381..9440, 9431..9595, 9432..9617, 9432..9617		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o2.tc	Method	TBLASTX:Cress
Start	9045	End	9356
GI	none	Score	300
Exons	9045..9356, 9047..9352		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	9516	End	10403
GI	none	Score	173
Exons	9516..9677, 9521..9676, 10019..10099, 10026..10100, 10107..10403, 10109..10402		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o4.ts	Method	TBLASTX:Soybean
Start	10019	End	10394
GI	none	Score	395
Exons	10019..10393, 10029..10394		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8

Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o3.gp	Method	AAT/GAP
Start	11218	End	13153
GI	1109_1.R1084	Score	1443
Exons	11218..11612, 12173..12230, 12319..12399, 12802..12914, 13005..13153		
GI Descrip.	'1077413/pir||S51431 2.0e-34 hypothetical protein YLR186w - yeast (Saccharomyces cerevisiae) >gi_577197 (U17246) Ylr186wp [Saccharomyces cerevisiae]'		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o4.tc	Method	TBLASTX:Cress
Start	11518	End	13146
GI	none	Score	82
Exons	11518..11619, 12177..12242, 12829..12936, 12842..12922, 12994..13146, 13013..13144		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o3.gs	Method	GENSCAN
Start	11533	End	14456
GI	none	Score	.87
Exons	11533..11612, 12173..12230, 12319..12400, 12764..12914, 13005..13149, 13706..13798, 14172..14456		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o3.np	Method	AAT/NAP
Start	11536	End	15168
GI	6911870	Score	552
Exons	11536..11612, 12173..12230, 12319..12400, 12803..12914, 13005..13149, 13706..13798, 14172..14324, 15000..15168		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o6.ts	Method	TBLASTX:Soybean
Start	11539	End	14231
GI	none	Score	99
Exons	11539..11619, 12177..12236, 12316..12399, 12802..12936, 12803..12910, 12994..13152, 12998..13147, 13006..13158, 13706..13798, 13710..13787, 14166..14231		

Seq. No.	49079	Seq. ID	OJ990922_08.0419.C8
Gene No.	104486	Strand	-
Start	11533	End	15168
Name	OJ990922_08.0419.C8.o4.tm	Method	TBLASTX:Maize
Start	12802	End	14273
GI	none	Score	170
Exons	12802..12936, 12803..12913, 12804..12932, 12994..13158, 12998..13150, 13005..13151, 13006..13158, 13706..13789,		

13706..13798, 13710..13850, 14172..14273, 14172..14261

Seq. No.	49080	Seq. ID	OJ990922_08.0419.C9
Gene No.	104487	Strand	+
Start	3273	End	10939
Name	OJ990922_08.0419.C9.o1.np	Method	AAT/NAP
Start	3228	End	9955
GI	7485877	Score	1352
Exons	3228..3317, 4148..4309, 4532..4650, 4723..4807, 5467..5575, 5669..5736, 5843..5968, 6195..6663, 6814..7308, 7765..7968, 8072..8132, 8408..8521, 8932..9045, 9126..9213, 9799..9955		
GI Descrip.	hypothetical protein F20D22.9 - Arabidopsis thaliana gi|3142301|gb|AAC16752.1| (AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb|M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb|Q05946. ESTs gb|N65081 gb|Z30910, gb|Z34190, gb|Z34611, gb|R30101, gb|H36304, and gb|N>		

Seq. No.	49080	Seq. ID	OJ990922_08.0419.C9
Gene No.	104487	Strand	+
Start	3273	End	10939
Name	OJ990922_08.0419.C9.o2.gs	Method	GENSCAN
Start	3273	End	10939
GI	none	Score	.76
Exons	3273..3333, 3650..3758, 4153..4302, 4597..4650, 4723..4807, 5467..5602, 5669..5728, 6181..6885, 6993..7308, 7765..7968, 8072..8132, 8408..8521, 8932..9045, 9911..9981, 10798..10939		

Seq. No.	49080	Seq. ID	OJ990922_08.0419.C9
Gene No.	104487	Strand	+
Start	3273	End	10939
Name	OJ990922_08.0419.C9.o1.gp	Method	AAT/GAP
Start	6794	End	7816
GI	21990_1.R1084	Score	799
Exons	6794..6885, 6993..7308, 7765..7816		
GI Descrip.	'3142301 3.0e-26 (AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb_M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb_Q05946. ESTs gb_N65081 gb_Z30910, gb_Z34190, gb_Z34611, gb_R30101, gb_H3630'		

Seq. No.	49080	Seq. ID	OJ990922_08.0419.C9
Gene No.	104488	Strand	-
Start	1046	End	2031
Name	OJ990922_08.0419.C9.o1.gs	Method	GENSCAN
Start	1046	End	2031
GI	none	Score	.57
Exons	1046..1324, 1984..2031		

Seq. No.	49080	Seq. ID	OJ990922_08.0419.C9
Gene No.	104489	Strand	
Start	5464	End	6278
Name	OJ990922_08.0419.C9.o1.tc	Method	TBLASTX:Cress
Start	5464	End	6275
GI	none	Score	115
Exons	5464..5574, 5466..5567, 5656..5745, 5670..5738, 5840..5977, 5840..5896, 5842..5967, 5918..5983, 6186..6275		

Seq. No.	49080	Seq. ID	OJ990922_08.0419.C9
Gene No.	104489	Strand	
Start	5464	End	6278
Name	OJ990922_08.0419.C9.o2.ts	Method	TBLASTX:Soybean
Start	5466	End	6278
GI	none	Score	131
Exons	5466..5573, 5467..5574, 5638..5739, 5670..5729, 5840..5971, 5840..5968, 5842..5970, 5845..5973, 6192..6278		

Seq. No.	49080	Seq. ID	OJ990922_08.0419.C9
Gene No.	104490	Strand	
Start	6206	End	6752
Name	OJ990922_08.0419.C9.o2.tm	Method	TBLASTX:Maize
Start	6206	End	6752
GI	none	Score	220
Exons	6206..6373, 6207..6389, 6214..6390, 6216..6389, 6393..6527, 6400..6432, 6446..6520, 6453..6521, 6550..6738, 6558..6752, 6562..6741		

Seq. No.	49080	Seq. ID	OJ990922_08.0419.C9
Gene No.	104491	Strand	
Start	6791	End	9215
Name	OJ990922_08.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	6791	End	7326
GI	none	Score	136
Exons	6791..6898, 6793..6903, 6795..6899, 6796..6903, 6981..7073, 6992..7054, 7057..7188, 7065..7151, 7169..7306, 7183..7326, 7198..7308		

Seq. No.	49080	Seq. ID	OJ990922_08.0419.C9
Gene No.	104491	Strand	
Start	6791	End	9215
Name	OJ990922_08.0419.C9.o1.ts	Method	TBLASTX:Soybean
Start	6825	End	9158
GI	none	Score	74
Exons	6825..6890, 7178..7306, 7198..7308, 7759..7875, 7760..7876, 7871..7969, 8073..8132, 8393..8533, 8407..8532, 8947..9045, 8970..9047, 9123..9158		

Seq. No.	49080	Seq. ID	OJ990922_08.0419.C9
Gene No.	104491	Strand	
Start	6791	End	9215
Name	OJ990922_08.0419.C9.o2.tc	Method	TBLASTX:Cress
Start	7759	End	9047
GI	none	Score	149
Exons	7759..7845, 7760..7879, 7880..7963, 8072..8131, 8073..8132, 8393..8533, 8399..8491, 8407..8532, 8929..9036, 8947..9045, 8970..9047		

Seq. No.	49080	Seq. ID	OJ990922_08.0419.C9
Gene No.	104491	Strand	
Start	6791	End	9215
Name	OJ990922_08.0419.C9.o3.tm	Method	TBLASTX:Maize
Start	8069	End	9215
GI	none	Score	87
Exons	8069..8128, 8073..8132, 8393..8533, 8397..8531, 8407..8532,		

8929..9048, 8947..9045, 9091..9210, 9123..9215, 9125..9211

Seq. No.	49081	Seq. ID	OJ990922_08.0419.C10
Gene No.	104492	Strand	+
Start	70	End	647
Name	OJ990922_08.0419.C10.o1.gs	Method	GENSCAN
Start	70	End	647
GI	none	Score	.6
Exons	70..156, 250..647		

Seq. No.	49081	Seq. ID	OJ990922_08.0419.C10
Gene No.	104493	Strand	-
Start	1	End	944
Name	OJ990922_08.0419.C10.o1.np	Method	AAT/NAP
Start	1	End	944
GI	7486138	Score	149
Exons	1..43, 190..473, 856..944		
GI Descrip.	hypothetical protein F25I24.160 - Arabidopsis thaliana gi|4539369|emb|CAB40063.1| (AL049525) putative protein [Arabidopsis thaliana] gi|7267793|emb|CAB81196.1| (AL161518) putative protein [Arabidopsis thaliana]		

Seq. No.	49082	Seq. ID	OJ990922_08.0419.C11
Gene No.	104494	Strand	-
Start	1	End	657
Name	OJ990922_08.0419.C11.o1.np	Method	AAT/NAP
Start	1	End	657
GI	3309082	Score	252
Exons	1..84, 236..295, 409..491, 579..657		
GI Descrip.	(AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]		

Seq. No.	49082	Seq. ID	OJ990922_08.0419.C11
Gene No.	104494	Strand	-
Start	1	End	657
Name	OJ990922_08.0419.C11.o1.gs	Method	GENSCAN
Start	135	End	295
GI	none	Score	.75
Exons	135..295		

Seq. No.	49083	Seq. ID	OJ990922_08.0419.C12
Gene No.	104495	Strand	-
Start	899	End	1430
Name	OJ990922_08.0419.C12.o1.gs	Method	GENSCAN
Start	899	End	1430
GI	none	Score	.8
Exons	899..1110, 1403..1430		

Seq. No.	49084	Seq. ID	OJ990922_08.0419.C13
Gene No.	104496	Strand	-
Start	905	End	1188
Name	OJ990922_08.0419.C13.o2.gs	Method	GENSCAN
Start	905	End	1188
GI	none	Score	.46
Exons	905..1188		

Seq. No.	49085	Seq. ID	OJ990922_08.0419.C14
Gene No.	104497	Strand	-

Start	351	End	1441
Name	OJ990922_08.0419.C14.o1.np	Method	AAT/NAP
Start	351	End	1441
GI	5852172	Score	72
Exons	351..482, 1321..1441		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	49086	Seq. ID	OJ990922_08.0419.C15
Gene No.	104498	Strand	+
Start	61	End	160
Name	OJ990922_08.0419.C15.o1.gs	Method	GENSCAN
Start	61	End	160
GI	none	Score	.83
Exons	61..160		

Seq. No.	49086	Seq. ID	OJ990922_08.0419.C15
Gene No.	104499	Strand	-
Start	1	End	1629
Name	OJ990922_08.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	1629
GI	6721516	Score	285
Exons	1..383, 1610..1629		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	49087	Seq. ID	OJ990922_07.0421.C8
Gene No.	104500	Strand	+
Start	197	End	607
Name	OJ990922_07.0421.C8.o1.gs	Method	GENSCAN
Start	197	End	607
GI	none	Score	.58
Exons	197..607		

Seq. No.	49087	Seq. ID	OJ990922_07.0421.C8
Gene No.	104501	Strand	-
Start	1401	End	3476
Name	OJ990922_07.0421.C8.o2.gs	Method	GENSCAN
Start	1401	End	3476
GI	none	Score	.4
Exons	1401..1697, 2274..2325, 2505..2543, 3203..3476		

Seq. No.	49088	Seq. ID	OJ990922_07.0421.C9
Gene No.	104502	Strand	-
Start	663	End	1673
Name	OJ990922_07.0421.C9.o1.gs	Method	GENSCAN
Start	663	End	1673
GI	none	Score	.61
Exons	663..758, 809..962, 1099..1140, 1201..1389, 1455..1550, 1555..1673		

Seq. No.	49089	Seq. ID	OJ990922_07.0421.C10
Gene No.	104503	Strand	+
Start	1	End	84
Name	OJ990922_07.0421.C10.o1.gp	Method	AAT/GAP
Start	1	End	84
GI	24989_1.R1084	Score	128
Exons	1..84		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20		

genomic sequence, complete sequence'

Seq. No.	49089	Seq. ID	OJ990922_07.0421.C10
Gene No.	104504	Strand	+
Start	158	End	592
Name	OJ990922_07.0421.C10.o1.gs	Method	GENSCAN
Start	158	End	592
GI	none	Score	.7
Exons	158..592		

Seq. No.	49090	Seq. ID	OJ990922_07.0421.C11
Gene No.	104505	Strand	-
Start	413	End	1084
Name	OJ990922_07.0421.C11.o1.gs	Method	GENSCAN
Start	413	End	1059
GI	none	Score	.75
Exons	413..467, 593..705, 795..1059		

Seq. No.	49090	Seq. ID	OJ990922_07.0421.C11
Gene No.	104505	Strand	-
Start	413	End	1084
Name	OJ990922_07.0421.C11.o1.tm	Method	TBLASTX:Maize
Start	591	End	1084
GI	none	Score	126
Exons	591..701, 592..702, 593..703, 669..710, 793..1059, 794..889, 801..1076, 804..1073, 932..1084, 950..1078		

Seq. No.	49091	Seq. ID	OJ990922_07.0421.C14
Gene No.	104506	Strand	+
Start	62	End	1763
Name	OJ990922_07.0421.C14.o1.gs	Method	GENSCAN
Start	62	End	1763
GI	none	Score	.45
Exons	62..86, 750..884, 1048..1121, 1149..1287, 1364..1763		

Seq. No.	49091	Seq. ID	OJ990922_07.0421.C14
Gene No.	104507	Strand	-
Start	2140	End	2301
Name	OJ990922_07.0421.C14.o1.np	Method	AAT/NAP
Start	2140	End	2301
GI	5042462	Score	117
Exons	2140..2232, 2261..2301		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	49092	Seq. ID	OJ990922_07.0421.C16
Gene No.	104508	Strand	+
Start	73	End	400
Name	OJ990922_07.0421.C16.o1.gs	Method	GENSCAN
Start	73	End	400
GI	none	Score	.56
Exons	73..400		

Seq. No.	49092	Seq. ID	OJ990922_07.0421.C16
Gene No.	104509	Strand	-
Start	1147	End	1200
Name	OJ990922_07.0421.C16.o2.gs	Method	GENSCAN

Start	1147	End	1200
GI	none	Score	.88
Exons	1147..1200		

Seq. No.	49093	Seq. ID	OJ990922_07.0421.C18
Gene No.	104510	Strand	+
Start	1	End	2284
Name	OJ990922_07.0421.C18.o1.np	Method	AAT/NAP
Start	1	End	2284
GI	6815097	Score	223
Exons	1..34, 216..582, 2253..2284		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	49093	Seq. ID	OJ990922_07.0421.C18
Gene No.	104510	Strand	+
Start	1	End	2284
Name	OJ990922_07.0421.C18.o2.np	Method	AAT/NAP
Start	1175	End	1276
GI	5852180	Score	33
Exons	1175..1276		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	49093	Seq. ID	OJ990922_07.0421.C18
Gene No.	104511	Strand	-
Start	1	End	1511
Name	OJ990922_07.0421.C18.o3.np	Method	AAT/NAP
Start	1	End	1511
GI	5852175	Score	65
Exons	1..46, 1402..1511		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	49093	Seq. ID	OJ990922_07.0421.C18
Gene No.	104512	Strand	-
Start	1961	End	2077
Name	OJ990922_07.0421.C18.o2.gs	Method	GENSCAN
Start	1961	End	2077
GI	none	Score	.79
Exons	1961..2077		

Seq. No.	49094	Seq. ID	OJ990922_07.0421.C20
Gene No.	104513	Strand	+
Start	110	End	2976
Name	OJ990922_07.0421.C20.o1.gs	Method	GENSCAN
Start	110	End	2976
GI	none	Score	.5
Exons	110..377, 504..2203, 2821..2976		

Seq. No.	49094	Seq. ID	OJ990922_07.0421.C20
Gene No.	104513	Strand	+
Start	110	End	2976
Name	OJ990922_07.0421.C20.o1.np	Method	AAT/NAP
Start	479	End	2397
GI	7489501	Score	791
Exons	479..614, 805..2397		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792220|gb|AAB96985.1| (AF032688) NBS-LRR type resistance		

protein [Oryza sativa]

Seq. No.	49094	Seq. ID	OJ990922_07.0421.C20
Gene No.	104513	Strand	+
Start	110	End	2976
Name	OJ990922_07.0421.C20.o2.ts	Method	TBLASTX:Soybean
Start	848	End	1336
GI	none	Score	210
Exons	848..961, 851..1174, 1072..1197, 1256..1336		

Seq. No.	49094	Seq. ID	OJ990922_07.0421.C20
Gene No.	104513	Strand	+
Start	110	End	2976
Name	OJ990922_07.0421.C20.o1.tm	Method	TBLASTX:Maize
Start	1226	End	1711
GI	none	Score	277
Exons	1226..1711, 1327..1692, 1418..1696		

Seq. No.	49094	Seq. ID	OJ990922_07.0421.C20
Gene No.	104513	Strand	+
Start	110	End	2976
Name	OJ990922_07.0421.C20.o1.ts	Method	TBLASTX:Soybean
Start	1370	End	1618
GI	4397495	Score	257
Exons	1370..1618, 1381..1566		
GI Descrip.	4234955 2.0e-22 (AF098971) NBS-LRR-like protein cD8 [Phaseolus vulgaris]		

Seq. No.	49095	Seq. ID	OJ990922_07.0421.C21
Gene No.	104514	Strand	+
Start	1	End	759
Name	OJ990922_07.0421.C21.o1.gs	Method	GENSCAN
Start	1	End	689
GI	none	Score	.79
Exons	1..10, 143..345, 563..689		

Seq. No.	49095	Seq. ID	OJ990922_07.0421.C21
Gene No.	104514	Strand	+
Start	1	End	759
Name	OJ990922_07.0421.C21.o1.tm	Method	TBLASTX:Maize
Start	138	End	759
GI	none	Score	184
Exons	138..341, 140..349, 142..357, 148..345, 560..757, 560..637, 562..759		

Seq. No.	49096	Seq. ID	OJ990922_07.0421.C24
Gene No.	104515	Strand	-
Start	809	End	1221
Name	OJ990922_07.0421.C24.o1.gs	Method	GENSCAN
Start	809	End	1221
GI	none	Score	.48
Exons	809..989, 1003..1221		

Seq. No.	49097	Seq. ID	OJ990922_07.0421.C25
Gene No.	104516	Strand	+
Start	1	End	1810
Name	OJ990922_07.0421.C25.o1.np	Method	AAT/NAP

Start	1	End	1166
GI	6063554	Score	115
Exons	1..42, 331..359, 994..1166		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49097	Seq. ID	OJ990922_07.0421.C25
Gene No.	104516	Strand	+
Start	1	End	1810
Name	OJ990922_07.0421.C25.o1.gp	Method	AAT/GAP
Start	331	End	1810
GI	61605_1.R1084	Score	564
Exons	331..411, 1538..1810		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49097	Seq. ID	OJ990922_07.0421.C25
Gene No.	104517	Strand	-
Start	320	End	1922
Name	OJ990922_07.0421.C25.o1.gs	Method	GENSCAN
Start	320	End	1922
GI	none	Score	.74
Exons	320..426, 899..982, 1223..1327, 1817..1922		

Seq. No.	49098	Seq. ID	OJ990922_07.0421.C26
Gene No.	104518	Strand	+
Start	116	End	875
Name	OJ990922_07.0421.C26.o1.gs	Method	GENSCAN
Start	116	End	875
GI	none	Score	.81
Exons	116..217, 394..470, 774..875		

Seq. No.	49098	Seq. ID	OJ990922_07.0421.C26
Gene No.	104519	Strand	-
Start	1325	End	1501
Name	OJ990922_07.0421.C26.o2.gs	Method	GENSCAN
Start	1325	End	1501
GI	none	Score	.84
Exons	1325..1501		

Seq. No.	49099	Seq. ID	OJ990922_07.0421.C27
Gene No.	104520	Strand	+
Start	63	End	2171
Name	OJ990922_07.0421.C27.o1.gs	Method	GENSCAN
Start	63	End	2154
GI	none	Score	.58
Exons	63..316, 411..2154		

Seq. No.	49099	Seq. ID	OJ990922_07.0421.C27
Gene No.	104520	Strand	+
Start	63	End	2171
Name	OJ990922_07.0421.C27.o1.tm	Method	TBLASTX:Maize
Start	1824	End	2171
GI	none	Score	51
Exons	1824..1862, 1869..2171, 1869..2162, 1907..2170		

Seq. No.	49100	Seq. ID	OJ990922_07.0421.C28
Gene No.	104521	Strand	+
Start	1	End	1015
Name	OJ990922_07.0421.C28.o1.np	Method	AAT/NAP
Start	1	End	1015
GI	6815097	Score	730
Exons	1..441, 682..1015		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	49100	Seq. ID	OJ990922_07.0421.C28
Gene No.	104522	Strand	
Start	2223	End	4173
Name	OJ990922_07.0421.C28.o1.tm	Method	TBLASTX:Maize
Start	2223	End	4173
GI	none	Score	39
Exons	2223..2258, 2303..2335, 2339..2434, 2343..2411, 2347..2412, 4007..4171, 4015..4173, 4015..4170		

Seq. No.	49101	Seq. ID	OJ990922_07.0421.C29
Gene No.	104523	Strand	-
Start	1	End	1311
Name	OJ990922_07.0421.C29.o1.np	Method	AAT/NAP
Start	1	End	1311
GI	6815097	Score	447
Exons	1..456, 571..717, 1017..1060, 1292..1311		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	49102	Seq. ID	OJ990922_07.0421.C33
Gene No.	104524	Strand	+
Start	86	End	2670
Name	OJ990922_07.0421.C33.o2.tm	Method	TBLASTX:Maize
Start	14	End	407
GI	none	Score	53
Exons	14..43, 19..51, 49..111, 49..117, 54..113, 117..200, 118..204, 119..196, 120..197, 276..407, 277..384		

Seq. No.	49102	Seq. ID	OJ990922_07.0421.C33
Gene No.	104524	Strand	+
Start	86	End	2670
Name	OJ990922_07.0421.C33.o1.gs	Method	GENSCAN
Start	86	End	2526
GI	none	Score	.7
Exons	86..196, 294..433, 1474..1718, 1771..1860, 2414..2526		

Seq. No.	49102	Seq. ID	OJ990922_07.0421.C33
Gene No.	104524	Strand	+
Start	86	End	2670
Name	OJ990922_07.0421.C33.o1.tc	Method	TBLASTX:Cress
Start	1531	End	1726
GI	none	Score	290
Exons	1531..1725, 1532..1726, 1535..1726		

Seq. No.	49102	Seq. ID	OJ990922_07.0421.C33
Gene No.	104524	Strand	+
Start	86	End	2670

Name	OJ990922_07.0421.C33.o1.ts	Method	TBLASTX:Soybean
Start	1531	End	1730
GI	none	Score	290
Exons	1531..1725, 1532..1726, 1533..1730, 1535..1726		

Seq. No.	49102	Seq. ID	OJ990922_07.0421.C33
Gene No.	104524	Strand	+
Start	86	End	2670
Name	OJ990922_07.0421.C33.o1.np	Method	AAT/NAP
Start	1532	End	2670
GI	552858	Score	244
Exons	1532..1728, 2093..2143, 2625..2670		
GI Descrip.	(M15955) cytochrome f [Oryza sativa] gi|225534|prf||1305268A cytochrome f [Oryza sativa]		

Seq. No.	49102	Seq. ID	OJ990922_07.0421.C33
Gene No.	104524	Strand	+
Start	86	End	2670
Name	OJ990922_07.0421.C33.o1.tm	Method	TBLASTX:Maize
Start	1556	End	1725
GI	none	Score	254
Exons	1556..1723, 1560..1724, 1561..1725		

Seq. No.	49103	Seq. ID	OJ990922_07.0421.C34
Gene No.	104525	Strand	-
Start	148	End	284
Name	OJ990922_07.0421.C34.o1.gs	Method	GENSCAN
Start	148	End	284
GI	none	Score	.86
Exons	148..284		

Seq. No.	49104	Seq. ID	OJ990922_07.0421.C38
Gene No.	104526	Strand	-
Start	1	End	1082
Name	OJ990922_07.0421.C38.o1.np	Method	AAT/NAP
Start	1	End	1082
GI	6721561	Score	127
Exons	1..20, 992..1082		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49104	Seq. ID	OJ990922_07.0421.C38
Gene No.	104526	Strand	-
Start	1	End	1082
Name	OJ990922_07.0421.C38.o1.gp	Method	AAT/GAP
Start	372	End	487
GI	uC-osflcyp088b12b1	Score	162
Exons	372..487		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	49105	Seq. ID	OJ991113_45.0419.C1
Gene No.	104527	Strand	+
Start	83	End	190

Name	OJ991113_45.0419.C1.o1.gs	Method	GENSCAN
Start	83	End	190
GI	none	Score	.79
Exons	83..190		

Seq. No.	49105	Seq. ID	OJ991113_45.0419.C1
Gene No.	104528	Strand	-
Start	1	End	624
Name	OJ991113_45.0419.C1.o1.np	Method	AAT/NAP
Start	1	End	624
GI	4263791	Score	100
Exons	1..20, 422..624		
GI Descrip.	(AC006068) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	49105	Seq. ID	OJ991113_45.0419.C1
Gene No.	104529	Strand	-
Start	1473	End	1606
Name	OJ991113_45.0419.C1.o1.tm	Method	TBLASTX:Maize
Start	465	End	767
GI	none	Score	69
Exons	465..557, 466..564, 467..565, 642..767, 653..766		

Seq. No.	49105	Seq. ID	OJ991113_45.0419.C1
Gene No.	104529	Strand	-
Start	1473	End	1606
Name	OJ991113_45.0419.C1.o2.np	Method	AAT/NAP
Start	1473	End	1606
GI	7487517	Score	118
Exons	1473..1606		
GI Descrip.	hypothetical protein T29A15.70 - Arabidopsis thaliana gi|4469009|emb|CAB38270.1| (AL035602) putative protein [Arabidopsis thaliana] gi|7269612|emb|CAB81408.1| (AL161571) putative protein [Arabidopsis thaliana]		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2
Gene No.	104530	Strand	-
Start	1	End	8499
Name	OJ991113_45.0419.C2.o1.np	Method	AAT/NAP
Start	1	End	3577
GI	7489738	Score	3621
Exons	1..3374, 3417..3577		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2
Gene No.	104530	Strand	-
Start	1	End	8499
Name	OJ991113_45.0419.C2.o4.tm	Method	TBLASTX:Maize
Start	6	End	326
GI	none	Score	70
Exons	6..215, 189..326		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2
Gene No.	104530	Strand	-
Start	1	End	8499

Name	OJ991113_45.0419.C2.o1.tw	Method	TBLASTX:Wheat
Start	15	End	795
GI	none	Score	145
Exons	15..464, 19..465, 441..794, 448..795, 450..794		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2
Gene No.	104530	Strand	-
Start	1	End	8499
Name	OJ991113_45.0419.C2.o1.gs	Method	GENSCAN
Start	287	End	8499
GI	none	Score	.49
Exons	287..1295, 1713..2002, 2866..3585, 4128..4206, 4818..5186, 8253..8414, 8428..8499		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2
Gene No.	104530	Strand	-
Start	1	End	8499
Name	OJ991113_45.0419.C2.o2.tm	Method	TBLASTX:Maize
Start	330	End	794
GI	none	Score	139
Exons	330..452, 486..794, 487..777		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2
Gene No.	104530	Strand	-
Start	1	End	8499
Name	OJ991113_45.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	486	End	923
GI	5509260	Score	44
Exons	486..923, 487..519, 562..834		
GI Descrip.	-		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2
Gene No.	104530	Strand	-
Start	1	End	8499
Name	OJ991113_45.0419.C2.o1.tc	Method	TBLASTX:Cress
Start	576	End	836
GI	none	Score	116
Exons	576..836, 598..834		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2
Gene No.	104530	Strand	-
Start	1	End	8499
Name	OJ991113_45.0419.C2.o3.ts	Method	TBLASTX:Soybean
Start	1434	End	1820
GI	none	Score	68
Exons	1434..1505, 1543..1608, 1612..1683, 1671..1820, 1714..1818		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2
Gene No.	104530	Strand	-
Start	1	End	8499
Name	OJ991113_45.0419.C2.o2.tw	Method	TBLASTX:Wheat
Start	1437	End	2099
GI	none	Score	63
Exons	1437..1505, 1516..1695, 1689..1772, 1695..1820, 1699..1797, 1853..2071, 1860..2099, 1861..2085		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2

Gene No.	104530	Strand	-
Start	1	End	8499
Name	OJ991113_45.0419.C2.o3.tm	Method	TBLASTX:Maize
Start	1627	End	2084
GI	none	Score	128
Exons	1627..1686, 1698..1811, 1860..2084		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2
Gene No.	104530	Strand	-
Start	1	End	8499
Name	OJ991113_45.0419.C2.o2.ts	Method	TBLASTX:Soybean
Start	1875	End	2261
GI	none	Score	122
Exons	1875..2261, 2044..2250		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2
Gene No.	104530	Strand	-
Start	1	End	8499
Name	OJ991113_45.0419.C2.o3.tw	Method	TBLASTX:Wheat
Start	2118	End	2555
GI	none	Score	106
Exons	2118..2288, 2358..2555		

Seq. No.	49106	Seq. ID	OJ991113_45.0419.C2
Gene No.	104530	Strand	-
Start	1	End	8499
Name	OJ991113_45.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	2548	End	3485
GI	none	Score	328
Exons	2548..2631, 2753..2866, 2876..3484, 2907..3485		

Seq. No.	49107	Seq. ID	OJ991113_45.0419.C3
Gene No.	104531	Strand	+
Start	1849	End	2061
Name	OJ991113_45.0419.C3.o1.np	Method	AAT/NAP
Start	1849	End	2061
GI	5091497	Score	97
Exons	1849..2061		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	49108	Seq. ID	OJ991113_45.0419.C4
Gene No.	104532	Strand	+
Start	91	End	3160
Name	OJ991113_45.0419.C4.o1.gs	Method	GENSCAN
Start	91	End	2987
GI	none	Score	.72
Exons	91..284, 355..544, 550..709, 880..1026, 1234..1314, 1469..1500, 1884..2060, 2277..2484, 2824..2987		

Seq. No.	49108	Seq. ID	OJ991113_45.0419.C4
Gene No.	104532	Strand	+
Start	91	End	3160
Name	OJ991113_45.0419.C4.o2.np	Method	AAT/NAP
Start	1884	End	3160
GI	6573750	Score	632
Exons	1884..2124, 2162..2221, 2277..2484, 2797..3007, 3060..3160		

GI Descrip. (AC009398) F20B24.8 [Arabidopsis thaliana]

Seq. No.	49108	Seq. ID	OJ991113_45.0419.C4
Gene No.	104533	Strand	-
Start	768	End	2994
Name	OJ991113_45.0419.C4.o1.np	Method	AAT/NAP
Start	768	End	2076
GI	5777617	Score	77
Exons	768..868, 2034..2076		

GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No.	49108	Seq. ID	OJ991113_45.0419.C4
Gene No.	104533	Strand	-
Start	768	End	2994
Name	OJ991113_45.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	1886	End	2498
GI	none	Score	150
Exons	1886..2038, 1886..1978, 1890..2024, 2150..2200, 2150..2191, 2276..2497, 2277..2498		

Seq. No.	49108	Seq. ID	OJ991113_45.0419.C4
Gene No.	104533	Strand	-
Start	768	End	2994
Name	OJ991113_45.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	1932	End	2987
GI	none	Score	66
Exons	1932..2021, 1944..2021, 2143..2202, 2165..2200, 2275..2454, 2276..2485, 2277..2501, 2795..2941, 2796..2987		

Seq. No.	49108	Seq. ID	OJ991113_45.0419.C4
Gene No.	104533	Strand	-
Start	768	End	2994
Name	OJ991113_45.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	2168	End	2988
GI	none	Score	38
Exons	2168..2200, 2276..2485, 2277..2501, 2795..2986, 2796..2987, 2796..2987, 2800..2988		

Seq. No.	49108	Seq. ID	OJ991113_45.0419.C4
Gene No.	104533	Strand	-
Start	768	End	2994
Name	OJ991113_45.0419.C4.o2.tm	Method	TBLASTX:Maize
Start	2628	End	2994
GI	none	Score	279
Exons	2628..2684, 2777..2992, 2781..2993, 2782..2994		

Seq. No.	49109	Seq. ID	OJ991113_45.0419.C6
Gene No.	104534	Strand	+
Start	3290	End	5864
Name	OJ991113_45.0419.C6.o2.gs	Method	GENSCAN
Start	3290	End	5864
GI	none	Score	.5
Exons	3290..3372, 3708..3869, 3988..4170, 5133..5211, 5236..5342, 5678..5864		

Seq. No.	49109	Seq. ID	OJ991113_45.0419.C6
Gene No.	104535	Strand	-

Start	1	End	3066
Name	OJ991113_45.0419.C6.o1.np	Method	AAT/NAP
Start	1	End	3066
GI	7492644	Score	62
Exons	1..21, 789..908, 3021..3066		
GI Descrip.	probable helicase - fission yeast (Schizosaccharomyces pombe) gi|3116120|emb|CAA18870.1| (AL023287) SNF2 family dna repair protein by similarity [Schizosaccharomyces pombe]		

Seq. No.	49109	Seq. ID	OJ991113_45.0419.C6
Gene No.	104535	Strand	-
Start	1	End	3066
Name	OJ991113_45.0419.C6.o1.gs	Method	GENSCAN
Start	427	End	2815
GI	none	Score	.76
Exons	427..475, 559..692, 836..912, 914..989, 1197..1366, 1438..1540, 1863..2026, 2809..2815		

Seq. No.	49110	Seq. ID	OJ991113_45.0419.C7
Gene No.	104536	Strand	+
Start	21	End	877
Name	OJ991113_45.0419.C7.o1.gs	Method	GENSCAN
Start	21	End	877
GI	none	Score	.87
Exons	21..151, 802..877		

Seq. No.	49110	Seq. ID	OJ991113_45.0419.C7
Gene No.	104537	Strand	-
Start	1081	End	1726
Name	OJ991113_45.0419.C7.o2.gs	Method	GENSCAN
Start	1081	End	1726
GI	none	Score	.7
Exons	1081..1140, 1520..1726		

Seq. No.	49111	Seq. ID	OJ991113_45.0419.C8
Gene No.	104538	Strand	+
Start	192	End	601
Name	OJ991113_45.0419.C8.o1.gs	Method	GENSCAN
Start	192	End	601
GI	none	Score	.54
Exons	192..528, 567..601		

Seq. No.	49112	Seq. ID	OJ991113_45.0419.C9
Gene No.	104539	Strand	-
Start	243	End	690
Name	OJ991113_45.0419.C9.o1.gs	Method	GENSCAN
Start	243	End	690
GI	none	Score	.61
Exons	243..581, 642..690		

Seq. No.	49113	Seq. ID	OJ991113_45.0419.C14
Gene No.	104540	Strand	+
Start	187	End	302
Name	OJ991113_45.0419.C14.o1.gs	Method	GENSCAN
Start	187	End	302
GI	none	Score	.8
Exons	187..302		

Seq. No.	49113	Seq. ID	OJ991113_45.0419.C14
Gene No.	104541	Strand	-
Start	2127	End	2685
Name	OJ991113_45.0419.C14.o2.gs	Method	GENSCAN
Start	2127	End	2467
GI	none	Score	.69
Exons	2127..2279, 2462..2467		

Seq. No.	49113	Seq. ID	OJ991113_45.0419.C14
Gene No.	104541	Strand	-
Start	2127	End	2685
Name	OJ991113_45.0419.C14.o1.np	Method	AAT/NAP
Start	2366	End	2685
GI	7228438	Score	206
Exons	2366..2685		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	49114	Seq. ID	OJ991113_45.0419.C17
Gene No.	104542	Strand	-
Start	683	End	3661
Name	OJ991113_45.0419.C17.o1.gs	Method	GENSCAN
Start	683	End	3661
GI	none	Score	.81
Exons	683..778, 1753..1863, 2658..2918, 3106..3151, 3315..3453, 3562..3661		

Seq. No.	49114	Seq. ID	OJ991113_45.0419.C17
Gene No.	104542	Strand	-
Start	683	End	3661
Name	OJ991113_45.0419.C17.o1.gp	Method	AAT/GAP
Start	869	End	3617
GI	10689_1.R1084	Score	1134
Exons	869..952, 1323..1385, 1753..1863, 2658..2850, 3315..3453, 3562..3617		
GI Descrip.	'82311/pir||JQ0959 3.0e-27 myb protein 340 - garden snapdragon'		

Seq. No.	49114	Seq. ID	OJ991113_45.0419.C17
Gene No.	104542	Strand	-
Start	683	End	3661
Name	OJ991113_45.0419.C17.o1.np	Method	AAT/NAP
Start	1299	End	3430
GI	3023626	Score	186
Exons	1299..1385, 1753..1863, 2658..2850, 3315..3430		
GI Descrip.	POLYPEPTIDE DEFORMYLASE (PDF) (FORMYLMETHIONINE DEFORMYLASE) gi|7445091|pir||C72224 polypeptide deformylase - Thermotoga maritima (strain MSB8) gi|1772608|emb|CAA71356.1| (Y10306) polypeptide deformylase [Thermotoga maritima] gi|4982236|gb|AAD36728.1|AE001808_3 (AE001808) polypeptide deformylase [Thermotoga maritima]		

Seq. No.	49114	Seq. ID	OJ991113_45.0419.C17
Gene No.	104543	Strand	-
Start	4475	End	4686
Name	OJ991113_45.0419.C17.o1.ts	Method	TBLASTX:Soybean

Start	857	End	3451
GI	none	Score	77
Exons	857..949, 876..953, 1338..1445, 1345..1389, 1753..1869, 1753..1869, 2661..2849, 2661..2855, 2662..2853, 2662..2856, 2663..2857, 3311..3451, 3314..3442		

Seq. No.	49114	Seq. ID	OJ991113_45.0419.C17
Gene No.	104543	Strand	-
Start	4475	End	4686
Name	OJ991113_45.0419.C17.o2.gs	Method	GENSCAN
Start	4475	End	4686
GI	none	Score	.89
Exons	4475..4686		

Seq. No.	49115	Seq. ID	OJ991113_45.0419.C18
Gene No.	104544	Strand	+
Start	1578	End	2072
Name	OJ991113_45.0419.C18.o1.np	Method	AAT/NAP
Start	1578	End	2049
GI	5823307	Score	386
Exons	1578..1727, 1840..2049		
GI Descrip.	(AF175987) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	49115	Seq. ID	OJ991113_45.0419.C18
Gene No.	104544	Strand	+
Start	1578	End	2072
Name	OJ991113_45.0419.C18.o1.ts	Method	TBLASTX:Soybean
Start	1589	End	2021
GI	none	Score	148
Exons	1589..1729, 1618..1731, 1836..2021, 1838..1999		

Seq. No.	49115	Seq. ID	OJ991113_45.0419.C18
Gene No.	104544	Strand	+
Start	1578	End	2072
Name	OJ991113_45.0419.C18.o1.tc	Method	TBLASTX:Cress
Start	1606	End	2021
GI	none	Score	148
Exons	1606..1728, 1607..1729, 1833..2021, 1838..1999		

Seq. No.	49115	Seq. ID	OJ991113_45.0419.C18
Gene No.	104544	Strand	+
Start	1578	End	2072
Name	OJ991113_45.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	1607	End	2072
GI	none	Score	190
Exons	1607..1729, 1618..1731, 1836..2069, 1838..1999, 1995..2072		

Seq. No.	49115	Seq. ID	OJ991113_45.0419.C18
Gene No.	104544	Strand	+
Start	1578	End	2072
Name	OJ991113_45.0419.C18.o1.tw	Method	TBLASTX:Wheat
Start	1633	End	2021
GI	none	Score	96
Exons	1633..1734, 1634..1735, 1836..2021, 1838..1999		

Seq. No.	49115	Seq. ID	OJ991113_45.0419.C18
Gene No.	104544	Strand	+

Start	1578	End	2072
Name	OJ991113_45.0419.C18.o1.gp	Method	AAT/GAP
Start	1854	End	2033
GI	2943795	Score	303
Exons	1854..2033		
GI Descrip.	82311/pir||JQ0959 3.0e-27 myb protein 340 - garden snapdragon		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104545	Strand	+
Start	3497	End	5867
Name	OJ991113_45.0419.C19.o1.gp	Method	AAT/GAP
Start	3497	End	3905
GI	70511_1.R1084	Score	788
Exons	3497..3905		
GI Descrip.	'1857447 3.0e-15 (U82367) UDP-glucose glucosyltransferase [Solanum tuberosum]'		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104545	Strand	+
Start	3497	End	5867
Name	OJ991113_45.0419.C19.o1.np	Method	AAT/NAP
Start	3585	End	5038
GI	4335714	Score	807
Exons	3585..5038		
GI Descrip.	(AC006248) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104545	Strand	+
Start	3497	End	5867
Name	OJ991113_45.0419.C19.o2.np	Method	AAT/NAP
Start	4559	End	5867
GI	5777617	Score	72
Exons	4559..4639, 5766..5867		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104545	Strand	+
Start	3497	End	5867
Name	OJ991113_45.0419.C19.o2.gp	Method	AAT/GAP
Start	4602	End	5416
GI	44948_2.R1084	Score	1594
Exons	4602..5416		
GI Descrip.	'4335715/gb|AAD17393| 4.0e-36 (AC006248) putative immediate-early salicylate-induced glucosyltransferase [Arabidopsis thaliana]'		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104546	Strand	-
Start	2239	End	2805
Name	OJ991113_45.0419.C19.o1.gs	Method	GENSCAN
Start	2239	End	2805
GI	none	Score	.63
Exons	2239..2805		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104546	Strand	-
Start	2239	End	2805

Name	OJ991113_45.0419.C19.o3.tw	Method	TBLASTX:Wheat
Start	2329	End	2676
GI	none	Score	154
Exons	2329..2376, 2491..2676		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104546	Strand	-
Start	2239	End	2805
Name	OJ991113_45.0419.C19.o3.tm	Method	TBLASTX:Maize
Start	2405	End	2682
GI	none	Score	94
Exons	2405..2680, 2410..2682		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104547	Strand	
Start	3578	End	5063
Name	OJ991113_45.0419.C19.o1.tc	Method	TBLASTX:Cress
Start	3578	End	4070
GI	none	Score	225
Exons	3578..3895, 3581..3928, 3582..3938, 3939..4070, 3939..4058, 3959..4060		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104547	Strand	
Start	3578	End	5063
Name	OJ991113_45.0419.C19.o1.tm	Method	TBLASTX:Maize
Start	3578	End	3962
GI	none	Score	479
Exons	3578..3961, 3585..3962		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104547	Strand	
Start	3578	End	5063
Name	OJ991113_45.0419.C19.o1.ts	Method	TBLASTX:Soybean
Start	3582	End	4831
GI	none	Score	123
Exons	3582..3752, 3591..3752, 3813..4085, 4200..4343, 4433..4585, 4613..4831, 4615..4782, 4628..4804		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104547	Strand	
Start	3578	End	5063
Name	OJ991113_45.0419.C19.o1.tw	Method	TBLASTX:Wheat
Start	3903	End	4094
GI	none	Score	242
Exons	3903..4094, 3906..4076		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104547	Strand	
Start	3578	End	5063
Name	OJ991113_45.0419.C19.o4.tm	Method	TBLASTX:Maize
Start	4388	End	4722
GI	none	Score	117
Exons	4388..4558, 4403..4564, 4595..4720, 4619..4720, 4633..4722		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104547	Strand	

Start	3578	End	5063
Name	OJ991113_45.0419.C19.o2.tc	Method	TBLASTX:Cress
Start	4421	End	4792
GI	none	Score	78
Exons	4421..4564, 4610..4792, 4615..4761		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104547	Strand	
Start	3578	End	5063
Name	OJ991113_45.0419.C19.o2.tw	Method	TBLASTX:Wheat
Start	4490	End	4807
GI	none	Score	54
Exons	4490..4540, 4606..4788, 4607..4807, 4634..4792		

Seq. No.	49116	Seq. ID	OJ991113_45.0419.C19
Gene No.	104547	Strand	
Start	3578	End	5063
Name	OJ991113_45.0419.C19.o2.tm	Method	TBLASTX:Maize
Start	4723	End	5063
GI	none	Score	341
Exons	4723..5061, 4724..5056, 4983..5063, 4995..5057		

Seq. No.	49117	Seq. ID	OJ991113_45.0419.C20
Gene No.	104548	Strand	+
Start	564	End	656
Name	OJ991113_45.0419.C20.o1.gp	Method	AAT/GAP
Start	564	End	656
GI	69953_1.R1084	Score	104
Exons	564..656		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	49117	Seq. ID	OJ991113_45.0419.C20
Gene No.	104549	Strand	-
Start	9	End	2208
Name	OJ991113_45.0419.C20.o1.gs	Method	GENSCAN
Start	9	End	2208
GI	none	Score	.66
Exons	9..121, 240..414, 1792..2208		

Seq. No.	49118	Seq. ID	OJ991113_45.0419.C22
Gene No.	104550	Strand	+
Start	1437	End	3834
Name	OJ991113_45.0419.C22.o1.gs	Method	GENSCAN
Start	1437	End	3834
GI	none	Score	.47
Exons	1437..1548, 3725..3834		

Seq. No.	49118	Seq. ID	OJ991113_45.0419.C22
Gene No.	104551	Strand	+
Start	5298	End	5612
Name	OJ991113_45.0419.C22.o2.gs	Method	GENSCAN
Start	5298	End	5612
GI	none	Score	.92
Exons	5298..5612		

Seq. No.	49119	Seq. ID	OJ991113_45.0419.C23

Gene No.	104552	Strand	+
Start	72	End	736
Name	OJ991113_45.0419.C23.o1.gs	Method	GENSCAN
Start	72	End	736
GI	none	Score	.67
Exons	72..238, 714..736		

Seq. No.	49119	Seq. ID	OJ991113_45.0419.C23
Gene No.	104553	Strand	+
Start	2954	End	4442
Name	OJ991113_45.0419.C23.o2.gs	Method	GENSCAN
Start	2954	End	4442
GI	none	Score	.56
Exons	2954..3690, 3728..4442		

Seq. No.	49119	Seq. ID	OJ991113_45.0419.C23
Gene No.	104553	Strand	+
Start	2954	End	4442
Name	OJ991113_45.0419.C23.o1.np	Method	AAT/NAP
Start	2975	End	4436
GI	7433906	Score	919
Exons	2975..4436		
GI Descrip.	glucosyltransferase IS5a (EC 2.4.1.-), salicylate-induced - common tobacco gi|1685005|gb|AAB36653.1| (U32644) immediate-early salicylate-induced glucosyltransferase [Nicotiana tabacum]		

Seq. No.	49119	Seq. ID	OJ991113_45.0419.C23
Gene No.	104554	Strand	-
Start	4418	End	4643
Name	OJ991113_45.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	2966	End	4412
GI	none	Score	116
Exons	2966..3127, 3182..3493, 3578..3742, 3598..3720, 3767..3916, 3777..4412, 4001..4363		

Seq. No.	49119	Seq. ID	OJ991113_45.0419.C23
Gene No.	104554	Strand	-
Start	4418	End	4643
Name	OJ991113_45.0419.C23.o1.tc	Method	TBLASTX:Cress
Start	2971	End	3444
GI	none	Score	283
Exons	2971..3153, 2972..3154, 3155..3310, 3167..3229, 3331..3444, 3332..3442		

Seq. No.	49119	Seq. ID	OJ991113_45.0419.C23
Gene No.	104554	Strand	-
Start	4418	End	4643
Name	OJ991113_45.0419.C23.o2.tm	Method	TBLASTX:Maize
Start	2972	End	3334
GI	none	Score	272
Exons	2972..3151, 2975..3073, 2980..3153, 3155..3334, 3167..3229, 3281..3334		

Seq. No.	49119	Seq. ID	OJ991113_45.0419.C23
Gene No.	104554	Strand	-
Start	4418	End	4643

Name	OJ991113_45.0419.C23.o1.tw	Method	TBLASTX:Wheat
Start	3269	End	3532
GI	none	Score	254
Exons	3269..3502, 3269..3355, 3322..3453, 3479..3532		

Seq. No.	49119	Seq. ID	OJ991113_45.0419.C23
Gene No.	104554	Strand	-
Start	4418	End	4643
Name	OJ991113_45.0419.C23.o2.tc	Method	TBLASTX:Cress
Start	3620	End	4415
GI	none	Score	39
Exons	3620..3652, 3771..4001, 4008..4202, 4020..4169, 4037..4201, 4299..4415		

Seq. No.	49119	Seq. ID	OJ991113_45.0419.C23
Gene No.	104554	Strand	-
Start	4418	End	4643
Name	OJ991113_45.0419.C23.o3.tm	Method	TBLASTX:Maize
Start	3789	End	4106
GI	none	Score	122
Exons	3789..3947, 3789..3935, 3995..4099, 3996..4106		

Seq. No.	49119	Seq. ID	OJ991113_45.0419.C23
Gene No.	104554	Strand	-
Start	4418	End	4643
Name	OJ991113_45.0419.C23.o2.tw	Method	TBLASTX:Wheat
Start	3992	End	4193
GI	none	Score	221
Exons	3992..4168, 3993..4193, 4020..4178		

Seq. No.	49119	Seq. ID	OJ991113_45.0419.C23
Gene No.	104554	Strand	-
Start	4418	End	4643
Name	OJ991113_45.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	4109	End	4572
GI	none	Score	394
Exons	4109..4360, 4110..4430, 4380..4430, 4549..4572		

Seq. No.	49119	Seq. ID	OJ991113_45.0419.C23
Gene No.	104554	Strand	-
Start	4418	End	4643
Name	OJ991113_45.0419.C23.o1.gp	Method	AAT/GAP
Start	4418	End	4643
GI	none	Score	405
Exons	4418..4643		

Seq. No.	49120	Seq. ID	OJ991113_45.0419.C25
Gene No.	104555	Strand	+
Start	623	End	937
Name	OJ991113_45.0419.C25.o1.np	Method	AAT/NAP
Start	623	End	734
GI	7299019	Score	140
Exons	623..734		
GI Descrip.	(AE003678) CG7483 gene product [Drosophila melanogaster]		

Seq. No.	49120	Seq. ID	OJ991113_45.0419.C25
Gene No.	104555	Strand	+

Start	623	End	937
Name	OJ991113_45.0419.C25.o1.tm	Method	TBLASTX:Maize
Start	623	End	937
GI	none	Score	180
Exons	623..742, 624..737, 626..742,	793..912,	923..937

Seq. No.	49120	Seq. ID	OJ991113_45.0419.C25
Gene No.	104555	Strand	+
Start	623	End	937
Name	OJ991113_45.0419.C25.o1.ts	Method	TBLASTX:Soybean
Start	623	End	749
GI	none	Score	185
Exons	623..748, 624..749		

Seq. No.	49120	Seq. ID	OJ991113_45.0419.C25
Gene No.	104555	Strand	+
Start	623	End	937
Name	OJ991113_45.0419.C25.o1.tw	Method	TBLASTX:Wheat
Start	623	End	755
GI	none	Score	186
Exons	623..745, 624..746, 624..755,	625..753	

Seq. No.	49120	Seq. ID	OJ991113_45.0419.C25
Gene No.	104555	Strand	+
Start	623	End	937
Name	OJ991113_45.0419.C25.o1.gs	Method	GENSCAN
Start	625	End	737
GI	none	Score	.92
Exons	625..737		

Seq. No.	49121	Seq. ID	OJ991113_45.0419.C29
Gene No.	104556	Strand	-
Start	1	End	694
Name	OJ991113_45.0419.C29.o1.gp	Method	AAT/GAP
Start	1	End	604
GI	10689_1.R1084	Score	315
Exons	1..26, 274..432, 549..604		
GI Descrip.	'82311/pir||JQ0959 3.0e-27 myb protein 340 - garden snapdragon'		

Seq. No.	49121	Seq. ID	OJ991113_45.0419.C29
Gene No.	104556	Strand	-
Start	1	End	694
Name	OJ991113_45.0419.C29.o1.np	Method	AAT/NAP
Start	1	End	415
GI	6685122	Score	64
Exons	1..63, 294..415		
GI Descrip.	(AF213822) polypeptide deformylase [Zymomonas mobilis]		

Seq. No.	49121	Seq. ID	OJ991113_45.0419.C29
Gene No.	104556	Strand	-
Start	1	End	694
Name	OJ991113_45.0419.C29.o1.tc	Method	TBLASTX:Cress
Start	293	End	436
GI	none	Score	72
Exons	293..436, 294..419, 296..433		

Seq. No.	49121	Seq. ID	OJ991113_45.0419.C29

Gene No.	104556	Strand	-
Start	1	End	694
Name	OJ991113_45.0419.C29.o1.gs	Method	GENSCAN
Start	294	End	694
GI	none	Score	.55
Exons	294..694		

Seq. No.	49122	Seq. ID	OJ991113_45.0419.C30
Gene No.	104557	Strand	-
Start	735	End	2802
Name	OJ991113_45.0419.C30.o1.gs	Method	GENSCAN
Start	735	End	2598
GI	none	Score	.86
Exons	735..860, 1181..1316, 1772..1863, 1941..2009, 2293..2404, 2480..2598		

Seq. No.	49122	Seq. ID	OJ991113_45.0419.C30
Gene No.	104557	Strand	-
Start	735	End	2802
Name	OJ991113_45.0419.C30.o1.np	Method	AAT/NAP
Start	2293	End	2802
GI	4185142	Score	144
Exons	2293..2404, 2480..2587, 2741..2802		
GI Descrip.	(AC005724) putative SNF2/RAD54 family DNA repair and recombination protein [Arabidopsis thaliana]		

Seq. No.	49122	Seq. ID	OJ991113_45.0419.C30
Gene No.	104557	Strand	-
Start	735	End	2802
Name	OJ991113_45.0419.C30.o1.tm	Method	TBLASTX:Maize
Start	2302	End	2595
GI	none	Score	71
Exons	2302..2400, 2302..2406, 2480..2545, 2482..2553, 2533..2595, 2537..2581		

Seq. No.	49123	Seq. ID	OJ991113_45.0419.C32
Gene No.	104558	Strand	-
Start	1	End	2949
Name	OJ991113_45.0419.C32.o1.np	Method	AAT/NAP
Start	1	End	2949
GI	7248394	Score	1735
Exons	1..28, 715..1758, 2026..2949		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	49123	Seq. ID	OJ991113_45.0419.C32
Gene No.	104558	Strand	-
Start	1	End	2949
Name	OJ991113_45.0419.C32.o2.tw	Method	TBLASTX:Wheat
Start	410	End	808
GI	none	Score	49
Exons	410..679, 600..668, 710..808		

Seq. No.	49123	Seq. ID	OJ991113_45.0419.C32

Gene No.	104558	Strand	-
Start	1	End	2949
Name	OJ991113_45.0419.C32.o1.ts	Method	TBLASTX:Soybean
Start	443	End	853
GI	none	Score	91
Exons	443..694, 528..695, 716..853, 720..851		

Seq. No.	49123	Seq. ID	OJ991113_45.0419.C32
Gene No.	104558	Strand	-
Start	1	End	2949
Name	OJ991113_45.0419.C32.o2.ts	Method	TBLASTX:Soybean
Start	1004	End	1474
GI	none	Score	81
Exons	1004..1174, 1017..1148, 1192..1368, 1349..1474, 1368..1436		

Seq. No.	49123	Seq. ID	OJ991113_45.0419.C32
Gene No.	104558	Strand	-
Start	1	End	2949
Name	OJ991113_45.0419.C32.o1.tm	Method	TBLASTX:Maize
Start	1162	End	1621
GI	none	Score	70
Exons	1162..1377, 1202..1351, 1350..1472, 1364..1621, 1388..1621		

Seq. No.	49123	Seq. ID	OJ991113_45.0419.C32
Gene No.	104558	Strand	-
Start	1	End	2949
Name	OJ991113_45.0419.C32.o1.tw	Method	TBLASTX:Wheat
Start	1490	End	1894
GI	none	Score	240
Exons	1490..1834, 1490..1843, 1533..1835, 1735..1836, 1838..1894, 1862..1894		

Seq. No.	49123	Seq. ID	OJ991113_45.0419.C32
Gene No.	104558	Strand	-
Start	1	End	2949
Name	OJ991113_45.0419.C32.o2.tm	Method	TBLASTX:Maize
Start	1623	End	1840
GI	none	Score	215
Exons	1623..1835, 1625..1840, 1640..1840		

Seq. No.	49123	Seq. ID	OJ991113_45.0419.C32
Gene No.	104558	Strand	-
Start	1	End	2949
Name	OJ991113_45.0419.C32.o3.ts	Method	TBLASTX:Soybean
Start	1691	End	2056
GI	none	Score	114
Exons	1691..1825, 1832..2056		

Seq. No.	49124	Seq. ID	OJ991113_45.0419.C33
Gene No.	104559	Strand	-
Start	762	End	2392
Name	OJ991113_45.0419.C33.o2.np	Method	AAT/NAP
Start	762	End	2392
GI	7340868	Score	53
Exons	762..826, 1973..2130, 2370..2392		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	49124	Seq. ID	OJ991113_45.0419.C33
Gene No.	104559	Strand	-
Start	762	End	2392
Name	OJ991113_45.0419.C33.o1.np	Method	AAT/NAP
Start	1185	End	1931
GI	7248393	Score	489
Exons	1185..1585, 1679..1931		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	49125	Seq. ID	OJ991113_45.0419.C34
Gene No.	104560	Strand	-
Start	870	End	5642
Name	OJ991113_45.0419.C34.o1.gs	Method	GENSCAN
Start	870	End	5642
GI	none	Score	.47
Exons	870..933, 1043..1190, 1605..1723, 3137..3162, 4767..5003, 5187..5320, 5434..5642		

Seq. No.	49126	Seq. ID	OJ991113_45.0419.C36
Gene No.	104561	Strand	+
Start	1	End	4517
Name	OJ991113_45.0419.C36.o1.np	Method	AAT/NAP
Start	1	End	4517
GI	6682235	Score	399
Exons	1..21, 1509..1589, 1771..1842, 2935..2984, 3448..3570, 3651..3744, 4467..4517		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	49126	Seq. ID	OJ991113_45.0419.C36
Gene No.	104562	Strand	-
Start	2306	End	6686
Name	OJ991113_45.0419.C36.o1.tm	Method	TBLASTX:Maize
Start	1507	End	3753
GI	none	Score	55
Exons	1507..1545, 1509..1541, 1535..1591, 1539..1589, 1749..1820, 1767..1814, 1768..1845, 2922..2984, 2927..2983, 3420..3569, 3451..3570, 3461..3571, 3648..3680, 3667..3750, 3669..3752, 3670..3753		

Seq. No.	49126	Seq. ID	OJ991113_45.0419.C36
Gene No.	104562	Strand	-
Start	2306	End	6686
Name	OJ991113_45.0419.C36.o1.tc	Method	TBLASTX:Cress
Start	1509	End	3570
GI	none	Score	55
Exons	1509..1541, 1538..1591, 1539..1589, 1767..1814, 1768..1845, 2759..2863, 2922..2984, 2934..3011, 3420..3569, 3454..3570, 3454..3570		

Seq. No.	49126	Seq. ID	OJ991113_45.0419.C36
Gene No.	104562	Strand	-
Start	2306	End	6686
Name	OJ991113_45.0419.C36.o2.np	Method	AAT/NAP
Start	2306	End	5684
GI	7340884	Score	142
Exons	2306..2400, 5471..5684		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for		

transposase. (AB013982) [Oryza sativa]

Seq. No.	49126	Seq. ID	OJ991113_45.0419.C36
Gene No.	104562	Strand	-
Start	2306	End	6686
Name	OJ991113_45.0419.C36.o1.ts	Method	TBLASTX:Soybean
Start	3448	End	4523
GI	none	Score	159
Exons	3448..3564, 3451..3570, 3669..3746, 3682..3756, 4467..4523		

Seq. No.	49126	Seq. ID	OJ991113_45.0419.C36
Gene No.	104562	Strand	-
Start	2306	End	6686
Name	OJ991113_45.0419.C36.o2.gs	Method	GENSCAN
Start	5490	End	6686
GI	none	Score	.43
Exons	5490..5745, 6023..6054, 6495..6686		

Seq. No.	49127	Seq. ID	OJ991113_45.0419.C37
Gene No.	104563	Strand	-
Start	52	End	366
Name	OJ991113_45.0419.C37.o1.gs	Method	GENSCAN
Start	52	End	366
GI	none	Score	.84
Exons	52..231, 246..366		

Seq. No.	49128	Seq. ID	OJ991113_45.0419.C38
Gene No.	104564	Strand	-
Start	1	End	629
Name	OJ991113_45.0419.C38.o1.np	Method	AAT/NAP
Start	1	End	373
GI	1170507	Score	284
Exons	1..373		
GI Descrip.	EUKARYOTIC INITIATION FACTOR 4A-3 (EIF-4A-3) gi|100276|pir||S22579 translation initiation factor eIF-4A - curled-leaved tobacco gi|19699|emb|CAA43514.1| (X61206) nicotiana eukaryotic translation initiation factor 4A [Nicotiana plumbaginifolia]		

Seq. No.	49128	Seq. ID	OJ991113_45.0419.C38
Gene No.	104564	Strand	-
Start	1	End	629
Name	OJ991113_45.0419.C38.o1.tm	Method	TBLASTX:Maize
Start	118	End	422
GI	none	Score	112
Exons	118..189, 119..190, 181..279, 192..341, 303..386, 303..386, 366..422, 378..422		

Seq. No.	49128	Seq. ID	OJ991113_45.0419.C38
Gene No.	104564	Strand	-
Start	1	End	629
Name	OJ991113_45.0419.C38.o1.tc	Method	TBLASTX:Cress
Start	118	End	391
GI	none	Score	56
Exons	118..189, 131..187, 181..267, 192..308, 302..391, 315..386		

Seq. No.	49128	Seq. ID	OJ991113_45.0419.C38

Gene No.	104564	Strand	-
Start	1	End	629
Name	OJ991113_45.0419.C38.o1.ts	Method	TBLASTX:Soybean
Start	118	End	407
GI	none	Score	85
Exons	118..189, 119..190, 181..267, 192..308, 303..392, 303..407		

Seq. No.	49128	Seq. ID	OJ991113_45.0419.C38
Gene No.	104564	Strand	-
Start	1	End	629
Name	OJ991113_45.0419.C38.o1.tw	Method	TBLASTX:Wheat
Start	157	End	406
GI	none	Score	62
Exons	157..189, 158..190, 181..279, 192..308, 302..385, 303..386, 377..406		

Seq. No.	49128	Seq. ID	OJ991113_45.0419.C38
Gene No.	104564	Strand	-
Start	1	End	629
Name	OJ991113_45.0419.C38.o1.gs	Method	GENSCAN
Start	162	End	629
GI	none	Score	.79
Exons	162..428, 537..629		

Seq. No.	49129	Seq. ID	OJ991113_45.0419.C39
Gene No.	104565	Strand	+
Start	1	End	266
Name	OJ991113_45.0419.C39.o1.np	Method	AAT/NAP
Start	1	End	266
GI	7228438	Score	321
Exons	1..266		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	49129	Seq. ID	OJ991113_45.0419.C39
Gene No.	104566	Strand	+
Start	350	End	1705
Name	OJ991113_45.0419.C39.o1.tw	Method	TBLASTX:Wheat
Start	3	End	298
GI	none	Score	175
Exons	3..161, 8..136, 185..265, 186..266, 195..266, 263..298		

Seq. No.	49129	Seq. ID	OJ991113_45.0419.C39
Gene No.	104566	Strand	+
Start	350	End	1705
Name	OJ991113_45.0419.C39.o1.gs	Method	GENSCAN
Start	350	End	1705
GI	none	Score	.56
Exons	350..648, 991..1108, 1582..1705		

Seq. No.	49129	Seq. ID	OJ991113_45.0419.C39
Gene No.	104566	Strand	+
Start	350	End	1705
Name	OJ991113_45.0419.C39.o2.np	Method	AAT/NAP
Start	970	End	1696
GI	5295955	Score	218

Exons	970..1043, 1582..1696		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	49130	Seq. ID	OJ991113_39.0419.C2
Gene No.	104567	Strand	+
Start	792	End	2109
Name	OJ991113_39.0419.C2.o1.gs	Method	GENSCAN
Start	792	End	2109
GI	none	Score	.65
Exons	792..893, 1973..2109		

Seq. No.	49130	Seq. ID	OJ991113_39.0419.C2
Gene No.	104568	Strand	+
Start	5457	End	5893
Name	OJ991113_39.0419.C2.o1.gp	Method	AAT/GAP
Start	5457	End	5893
GI	none	Score	814
Exons	5457..5893		

Seq. No.	49130	Seq. ID	OJ991113_39.0419.C2
Gene No.	104569	Strand	-
Start	3913	End	5758
Name	OJ991113_39.0419.C2.o2.gs	Method	GENSCAN
Start	3913	End	5758
GI	none	Score	.9
Exons	3913..5091, 5190..5252, 5507..5758		

Seq. No.	49131	Seq. ID	OJ991113_39.0419.C5
Gene No.	104570	Strand	+
Start	1	End	1051
Name	OJ991113_39.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	1038
GI	6671946	Score	653
Exons	1..115, 146..585, 670..1038		
GI Descrip.	(AC016795) putative amino acid transporter protein [Arabidopsis thaliana]		

Seq. No.	49131	Seq. ID	OJ991113_39.0419.C5
Gene No.	104570	Strand	+
Start	1	End	1051
Name	OJ991113_39.0419.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	914
GI	none	Score	104
Exons	1..93, 190..291, 349..588, 351..422, 489..581, 667..747, 669..746, 837..914, 841..888		

Seq. No.	49131	Seq. ID	OJ991113_39.0419.C5
Gene No.	104570	Strand	+
Start	1	End	1051
Name	OJ991113_39.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	1048
GI	none	Score	101
Exons	1..93, 3..86, 148..177, 186..293, 190..288, 310..588, 324..587, 667..744, 678..737, 837..923, 838..888, 956..1048		

Seq. No.	49131	Seq. ID	OJ991113_39.0419.C5

Gene No.	104570	Strand	+
Start	1	End	1051
Name	OJ991113_39.0419.C5.o1.gs	Method	GENSCAN
Start	76	End	1051
GI	none	Score	.99
Exons	76..585, 670..1051		

Seq. No.	49131	Seq. ID	OJ991113_39.0419.C5
Gene No.	104570	Strand	+
Start	1	End	1051
Name	OJ991113_39.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	186	End	348
GI	none	Score	146
Exons	186..302, 190..303, 289..348, 303..347		

Seq. No.	49132	Seq. ID	OJ991113_39.0419.C6
Gene No.	104571	Strand	+
Start	634	End	980
Name	OJ991113_39.0419.C6.o1.gs	Method	GENSCAN
Start	634	End	980
GI	none	Score	.72
Exons	634..737, 854..980		

Seq. No.	49133	Seq. ID	OJ991113_39.0419.C10
Gene No.	104572	Strand	+
Start	7	End	222
Name	OJ991113_39.0419.C10.o1.gs	Method	GENSCAN
Start	7	End	222
GI	none	Score	.82
Exons	7..222		

Seq. No.	49134	Seq. ID	OJ991113_39.0419.C11
Gene No.	104573	Strand	+
Start	1	End	1413
Name	OJ991113_39.0419.C11.o1.gp	Method	AAT/GAP
Start	1	End	553
GI	2431456	Score	364
Exons	1..72, 205..292, 405..553		
GI Descrip.	2944040 2.0e-38 (AF048900) indeterminate spikelet 1 [Zea mays]		

Seq. No.	49134	Seq. ID	OJ991113_39.0419.C11
Gene No.	104573	Strand	+
Start	1	End	1413
Name	OJ991113_39.0419.C11.o1.np	Method	AAT/NAP
Start	1	End	1413
GI	7489779	Score	571
Exons	1..72, 205..292, 405..550, 936..980, 1074..1177, 1269..1413		
GI Descrip.	indeterminate spikelet 1 - maize gi|2944040|gb|AAC05206.1| (AF048900) indeterminate spikelet 1 [Zea mays]		

Seq. No.	49134	Seq. ID	OJ991113_39.0419.C11
Gene No.	104573	Strand	+
Start	1	End	1413
Name	OJ991113_39.0419.C11.o1.tc	Method	TBLASTX:Cress
Start	203	End	1185
GI	none	Score	142
Exons	203..292, 203..286, 211..291, 396..551, 396..503, 401..559,		

934..987, 934..1008, 1044..1163, 1060..1185, 1072..1152

Seq. No.	49134	Seq. ID	OJ991113_39.0419.C11
Gene No.	104573	Strand	+
Start	1	End	1413
Name	OJ991113_39.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	203	End	1215
GI	none	Score	148
Exons	203..292, 203..289, 209..295, 396..554, 401..553, 918..980, 928..981, 931..981, 934..987, 1071..1178, 1072..1215, 1072..1152		

Seq. No.	49134	Seq. ID	OJ991113_39.0419.C11
Gene No.	104573	Strand	+
Start	1	End	1413
Name	OJ991113_39.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	203	End	1152
GI	none	Score	136
Exons	203..292, 203..295, 401..553, 402..551, 934..987, 934..1008, 936..1016, 1060..1125, 1062..1121, 1072..1152		

Seq. No.	49134	Seq. ID	OJ991113_39.0419.C11
Gene No.	104573	Strand	+
Start	1	End	1413
Name	OJ991113_39.0419.C11.o1.gs	Method	GENSCAN
Start	205	End	1405
GI	none	Score	.91
Exons	205..292, 405..550, 936..1177, 1269..1405		

Seq. No.	49135	Seq. ID	OJ991113_39.0419.C15
Gene No.	104574	Strand	-
Start	501	End	2018
Name	OJ991113_39.0419.C15.o2.tm	Method	TBLASTX:Maize
Start	49	End	549
GI	none	Score	154
Exons	49..237, 59..286, 74..280, 251..319, 258..323, 270..404, 306..461, 308..463, 308..490, 523..549		

Seq. No.	49135	Seq. ID	OJ991113_39.0419.C15
Gene No.	104574	Strand	-
Start	501	End	2018
Name	OJ991113_39.0419.C15.o1.gs	Method	GENSCAN
Start	501	End	2018
GI	none	Score	.71
Exons	501..2018		

Seq. No.	49135	Seq. ID	OJ991113_39.0419.C15
Gene No.	104574	Strand	-
Start	501	End	2018
Name	OJ991113_39.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	1543	End	1996
GI	none	Score	48
Exons	1543..1650, 1548..1790, 1574..1792, 1594..1647, 1629..1805, 1699..1800, 1815..1868, 1854..1898, 1901..1990, 1914..1991, 1925..1996		

Seq. No.	49136	Seq. ID	OJ991113_39.0419.C17
Gene No.	104575	Strand	-

Start	1117	End	1271
Name	OJ991113_39.0419.C17.o1.gs	Method	GENSCAN
Start	1117	End	1265
GI	none	Score	.81
Exons	1117..1265		

Seq. No.	49136	Seq. ID	OJ991113_39.0419.C17
Gene No.	104575	Strand	-
Start	1117	End	1271
Name	OJ991113_39.0419.C17.o1.np	Method	AAT/NAP
Start	1117	End	1271
GI	7487165	Score	180
Exons	1117..1271		
GI Descrip.	hypothetical protein T19C21.7 - Arabidopsis thaliana gi|3395428|gb|AAC28760.1| (AC004683) unknown protein [Arabidopsis thaliana]		

Seq. No.	49137	Seq. ID	OJ991113_39.0419.C18
Gene No.	104576	Strand	-
Start	259	End	373
Name	OJ991113_39.0419.C18.o1.gs	Method	GENSCAN
Start	259	End	373
GI	none	Score	.8
Exons	259..373		

Seq. No.	49138	Seq. ID	OJ991113_39.0419.C21
Gene No.	104577	Strand	+
Start	1	End	76
Name	OJ991113_39.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	76
GI	4587589	Score	115
Exons	1..76		
GI Descrip.	(AC007232) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49138	Seq. ID	OJ991113_39.0419.C21
Gene No.	104578	Strand	-
Start	209	End	480
Name	OJ991113_39.0419.C21.o1.gs	Method	GENSCAN
Start	209	End	480
GI	none	Score	.75
Exons	209..383, 410..480		

Seq. No.	49139	Seq. ID	OJ991113_39.0419.C22
Gene No.	104579	Strand	+
Start	318	End	1226
Name	OJ991113_39.0419.C22.o1.gs	Method	GENSCAN
Start	318	End	1226
GI	none	Score	.96
Exons	318..502, 1134..1226		

Seq. No.	49140	Seq. ID	OJ991113_39.0419.C24
Gene No.	104580	Strand	+
Start	386	End	504
Name	OJ991113_39.0419.C24.o1.gs	Method	GENSCAN
Start	386	End	504
GI	none	Score	.6
Exons	386..504		

Seq. No.	49140	Seq. ID	OJ991113_39.0419.C24
Gene No.	104581	Strand	+
Start	544	End	868
Name	OJ991113_39.0419.C24.o1.gp	Method	AAT/GAP
Start	544	End	868
GI	28126_1.R1084	Score	642
Exons	544..868		
GI Descrip.	'1805615/dbj|D49704|RICOSH45S2 2.0e-15 Rice OSH45 gene for OSH42, OSH44 and OSH45 transcripts, exon 2, 3, 4, 5, 6 and 7, complete cds'		

Seq. No.	49141	Seq. ID	OJ991113_39.0419.C25
Gene No.	104582	Strand	+
Start	523	End	671
Name	OJ991113_39.0419.C25.o1.gp	Method	AAT/GAP
Start	523	End	671
GI	uC-osflm202101g05b1	Score	264
Exons	523..671		
GI Descrip.	'6016691/gb|AAF01518.1|AC009991_14 4.0e-43 (AC009991) unknown protein [Arabidopsis thaliana]'		

Seq. No.	49141	Seq. ID	OJ991113_39.0419.C25
Gene No.	104583	Strand	-
Start	1	End	3060
Name	OJ991113_39.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	3060
GI	4586049	Score	474
Exons	1..122, 505..733, 1012..1206, 2346..2424, 3025..3060		
GI Descrip.	(AC007020) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49141	Seq. ID	OJ991113_39.0419.C25
Gene No.	104583	Strand	-
Start	1	End	3060
Name	OJ991113_39.0419.C25.o1.tm	Method	TBLASTX:Maize
Start	29	End	1207
GI	none	Score	71
Exons	29..103, 39..104, 510..731, 533..736, 533..733, 1010..1132, 1012..1095, 1093..1206, 1097..1207		

Seq. No.	49141	Seq. ID	OJ991113_39.0419.C25
Gene No.	104583	Strand	-
Start	1	End	3060
Name	OJ991113_39.0419.C25.o1.ts	Method	TBLASTX:Soybean
Start	519	End	730
GI	none	Score	174
Exons	519..728, 533..730		

Seq. No.	49141	Seq. ID	OJ991113_39.0419.C25
Gene No.	104583	Strand	-
Start	1	End	3060
Name	OJ991113_39.0419.C25.o1.tc	Method	TBLASTX:Cress
Start	527	End	725
GI	none	Score	131
Exons	527..724, 528..725		

Seq. No.	49141	Seq. ID	OJ991113_39.0419.C25

Gene No.	104583	Strand	-
Start	1	End	3060
Name	OJ991113_39.0419.C25.o1.gs	Method	GENSCAN
Start	534	End	2605
GI	none	Score	.69
Exons	534..572, 641..733, 1012..1183, 2286..2605		

Seq. No.	49141	Seq. ID	OJ991113_39.0419.C25
Gene No.	104583	Strand	-
Start	1	End	3060
Name	OJ991113_39.0419.C25.o1.tw	Method	TBLASTX:Wheat
Start	537	End	1186
GI	none	Score	135
Exons	537..728, 539..736, 539..730, 1018..1182, 1085..1186		

Seq. No.	49141	Seq. ID	OJ991113_39.0419.C25
Gene No.	104583	Strand	-
Start	1	End	3060
Name	OJ991113_39.0419.C25.o2.gp	Method	AAT/GAP
Start	696	End	1466
GI	427952	Score	382
Exons	696..733, 1012..1183, 1446..1466		
GI Descrip.	6016691/gb|AAF01518.1|AC009991_14 4.0e-43 (AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	49142	Seq. ID	OJ991113_39.0419.C26
Gene No.	104584	Strand	+
Start	156	End	428
Name	OJ991113_39.0419.C26.o1.gs	Method	GENSCAN
Start	156	End	428
GI	none	Score	1
Exons	156..428		

Seq. No.	49142	Seq. ID	OJ991113_39.0419.C26
Gene No.	104585	Strand	-
Start	127	End	437
Name	OJ991113_39.0419.C26.o1.gp	Method	AAT/GAP
Start	127	End	437
GI	none	Score	558
Exons	127..437		

Seq. No.	49142	Seq. ID	OJ991113_39.0419.C26
Gene No.	104586	Strand	-
Start	1486	End	1890
Name	OJ991113_39.0419.C26.o2.gs	Method	GENSCAN
Start	1486	End	1890
GI	none	Score	.73
Exons	1486..1625, 1839..1890		

Seq. No.	49143	Seq. ID	OJ991113_39.0419.C27
Gene No.	104587	Strand	+
Start	410	End	2151
Name	OJ991113_39.0419.C27.o1.gs	Method	GENSCAN
Start	410	End	2151
GI	none	Score	.65
Exons	410..996, 2085..2151		

Seq. No.	49143	Seq. ID	OJ991113_39.0419.C27
Gene No.	104587	Strand	+
Start	410	End	2151
Name	OJ991113_39.0419.C27.o1.np	Method	AAT/NAP
Start	464	End	1007
GI	7487478	Score	202
Exons	464..1007		
GI Descrip.	hypothetical protein T27E13.14 - Arabidopsis thaliana gi|3150408|gb|AAC16960.1| (AC004165) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49143	Seq. ID	OJ991113_39.0419.C27
Gene No.	104588	Strand	-
Start	390	End	1011
Name	OJ991113_39.0419.C27.o1.gp	Method	AAT/GAP
Start	390	End	595
GI	5004237	Score	307
Exons	390..595		

Seq. No.	49143	Seq. ID	OJ991113_39.0419.C27
Gene No.	104588	Strand	-
Start	390	End	1011
Name	OJ991113_39.0419.C27.o1.tm	Method	TBLASTX:Maize
Start	409	End	1011
GI	none	Score	39
Exons	409..444, 431..451, 560..718, 560..1006, 827..1006, 871..1011, 966..1010		

Seq. No.	49143	Seq. ID	OJ991113_39.0419.C27
Gene No.	104588	Strand	-
Start	390	End	1011
Name	OJ991113_39.0419.C27.o1.ts	Method	TBLASTX:Soybean
Start	572	End	1006
GI	none	Score	61
Exons	572..712, 575..715, 647..1006, 827..1006		

Seq. No.	49144	Seq. ID	OJ991113_39.0419.C36
Gene No.	104589	Strand	+
Start	1	End	818
Name	OJ991113_39.0419.C36.o1.np	Method	AAT/NAP
Start	1	End	818
GI	7435094	Score	210
Exons	1..240, 740..818		
GI Descrip.	histidine acid phosphatase (EC 3.1.3.-) - Arabidopsis thaliana		

Seq. No.	49144	Seq. ID	OJ991113_39.0419.C36
Gene No.	104589	Strand	+
Start	1	End	818
Name	OJ991113_39.0419.C36.o1.tm	Method	TBLASTX:Maize
Start	75	End	817
GI	none	Score	87
Exons	75..185, 79..186, 79..186, 80..187, 80..187, 114..239, 169..240, 187..240, 188..268, 734..817, 737..811		

Seq. No.	49144	Seq. ID	OJ991113_39.0419.C36
Gene No.	104589	Strand	+
Start	1	End	818

Name	OJ991113_39.0419.C36.o1.gs	Method	GENSCAN
Start	76	End	240
GI	none	Score	.41
Exons	76..240		

Seq. No.	49145	Seq. ID	OJ991113_39.0419.C43
Gene No.	104590	Strand	+
Start	57	End	152
Name	OJ991113_39.0419.C43.o1.gs	Method	GENSCAN
Start	57	End	152
GI	none	Score	.93
Exons	57..152		

Seq. No.	49146	Seq. ID	OJ991113_39.0419.C44
Gene No.	104591	Strand	-
Start	1	End	782
Name	OJ991113_39.0419.C44.o1.np	Method	AAT/NAP
Start	1	End	782
GI	7339707	Score	53
Exons	1..18, 221..297, 732..782		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	49146	Seq. ID	OJ991113_39.0419.C44
Gene No.	104591	Strand	-
Start	1	End	782
Name	OJ991113_39.0419.C44.o2.np	Method	AAT/NAP
Start	324	End	723
GI	140503	Score	420
Exons	324..723		
GI Descrip.	HYPOTHETICAL 14 KD PROTEIN IN YCF68 TRNI INTRON (ORF 133) gi|82518|pir||JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast gi|12041|emb|CAA33945| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi|12061|emb|CAA33915| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi|226660|prf||1603356CL trnI intron ORF 133 [Oryza sativa]		

Seq. No.	49146	Seq. ID	OJ991113_39.0419.C44
Gene No.	104591	Strand	-
Start	1	End	782
Name	OJ991113_39.0419.C44.o1.gp	Method	AAT/GAP
Start	384	End	782
GI	uC-osf1cyp097b05b1	Score	612
Exons	384..782		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	49146	Seq. ID	OJ991113_39.0419.C44
Gene No.	104591	Strand	-
Start	1	End	782
Name	OJ991113_39.0419.C44.o1.gs	Method	GENSCAN
Start	399	End	659
GI	none	Score	.55

Exons	399..562, 646..659		
Seq. No.	49146	Seq. ID	OJ991113_39.0419.C44
Gene No.	104591	Strand	-
Start	1	End	782
Name	OJ991113_39.0419.C44.o1.tm	Method	TBLASTX:Maize
Start	641	End	781
GI	none	Score	247
Exons	641..781, 643..780		
Seq. No.	49147	Seq. ID	OJ991113_39.0419.C45
Gene No.	104592	Strand	+
Start	836	End	1720
Name	OJ991113_39.0419.C45.o1.tw	Method	TBLASTX:Wheat
Start	832	End	1201
GI	none	Score	284
Exons	832..996, 833..1006, 840..1016, 1062..1199, 1070..1201, 1074..1199, 1129..1200		
Seq. No.	49147	Seq. ID	OJ991113_39.0419.C45
Gene No.	104592	Strand	+
Start	836	End	1720
Name	OJ991113_39.0419.C45.o1.np	Method	AAT/NAP
Start	836	End	1413
GI	1173187	Score	643
Exons	836..996, 1073..1199, 1276..1413		
GI Descrip.	40S RIBOSOMAL PROTEIN S23 (S12) gi|1362041|pir||S56673 ribosomal protein S23.e, cytosolic (clone RJ3) - garden strawberry gi|643074 (U19940) putative 40S ribosomal protein s12 [Fragaria x ananassa]		
Seq. No.	49147	Seq. ID	OJ991113_39.0419.C45
Gene No.	104592	Strand	+
Start	836	End	1720
Name	OJ991113_39.0419.C45.o1.gp	Method	AAT/GAP
Start	841	End	1720
GI	14884_1.R1084	Score	1357
Exons	841..996, 1073..1199, 1276..1720		
GI Descrip.	'1173187/sp|P46297|RS23_FRAAN 3.0e-69 40S RIBOSOMAL PROTEIN S23 (S12) >gi_1362041_pir__S56673 ribosomal protein S23.e, cytosolic (clone RJ3) - garden strawberry >gi_643074 (U19940) putative 40S ribosomal protein s12 [Fragaria x ananassa]'		
Seq. No.	49147	Seq. ID	OJ991113_39.0419.C45
Gene No.	104592	Strand	+
Start	836	End	1720
Name	OJ991113_39.0419.C45.o1.tm	Method	TBLASTX:Maize
Start	842	End	1431
GI	none	Score	279
Exons	842..1006, 844..996, 1070..1201, 1073..1198, 1074..1199, 1129..1200, 1273..1353, 1275..1418, 1276..1431		
Seq. No.	49147	Seq. ID	OJ991113_39.0419.C45
Gene No.	104592	Strand	+
Start	836	End	1720
Name	OJ991113_39.0419.C45.o1.ts	Method	TBLASTX:Soybean
Start	842	End	1421

GI	none	Score	252
Exons	842..1006, 843..995, 844..996, 1070..1201, 1074..1199, 1273..1353, 1275..1421, 1276..1419		

Seq. No.	49147	Seq. ID	OJ991113_39.0419.C45
Gene No.	104592	Strand	+
Start	836	End	1720
Name	OJ991113_39.0419.C45.o1.gs	Method	GENSCAN
Start	854	End	1416
GI	none	Score	.83
Exons	854..996, 1073..1199, 1276..1416		

Seq. No.	49147	Seq. ID	OJ991113_39.0419.C45
Gene No.	104592	Strand	+
Start	836	End	1720
Name	OJ991113_39.0419.C45.o1.tc	Method	TBLASTX:Cress
Start	871	End	1418
GI	none	Score	192
Exons	871..996, 872..1006, 1070..1201, 1074..1199, 1267..1353, 1275..1415, 1276..1416, 1281..1418		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104593	Strand	+
Start	1	End	2819
Name	OJ991113_39.0419.C46.o1.gp	Method	AAT/GAP
Start	1	End	359
GI	18187_1.R1084	Score	304
Exons	1..201, 337..359		
GI Descrip.	'6016679/gb|AAF01506.1|AC009991_2 5.0e-30 (AC009991) putative nucleic acid binding protein [Arabidopsis thaliana]'		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104593	Strand	+
Start	1	End	2819
Name	OJ991113_39.0419.C46.o1.np	Method	AAT/NAP
Start	1	End	2692
GI	6016679	Score	553
Exons	1..193, 2246..2423, 2492..2692		
GI Descrip.	(AC009991) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104593	Strand	+
Start	1	End	2819
Name	OJ991113_39.0419.C46.o1.gs	Method	GENSCAN
Start	93	End	2819
GI	none	Score	.73
Exons	93..193, 2246..2366, 2434..2577, 2772..2819		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104594	Strand	+
Start	2784	End	3034
Name	OJ991113_39.0419.C46.o2.gp	Method	AAT/GAP
Start	2784	End	3034
GI	5005085	Score	458
Exons	2784..3034		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104595	Strand	-
Start	3176	End	3747
Name	OJ991113_39.0419.C46.o3.tw	Method	TBLASTX:Wheat
Start	66	End	2363
GI	none	Score	190
Exons	66..110, 68..196, 69..194, 2246..2311, 2259..2312, 2272..2313, 2311..2352, 2315..2359, 2316..2363, 2317..2361		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104595	Strand	-
Start	3176	End	3747
Name	OJ991113_39.0419.C46.o1.ts	Method	TBLASTX:Soybean
Start	68	End	2688
GI	none	Score	197
Exons	68..196, 69..194, 2243..2353, 2259..2372, 2438..2671, 2524..2688		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104595	Strand	-
Start	3176	End	3747
Name	OJ991113_39.0419.C46.o3.tm	Method	TBLASTX:Maize
Start	68	End	2372
GI	none	Score	206
Exons	68..196, 69..194, 2243..2365, 2243..2365, 2259..2372		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104595	Strand	-
Start	3176	End	3747
Name	OJ991113_39.0419.C46.o2.tm	Method	TBLASTX:Maize
Start	2524	End	2681
GI	none	Score	258
Exons	2524..2673, 2525..2671, 2529..2681		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104595	Strand	-
Start	3176	End	3747
Name	OJ991113_39.0419.C46.o2.tw	Method	TBLASTX:Wheat
Start	2524	End	2944
GI	none	Score	217
Exons	2524..2676, 2525..2671, 2723..2860, 2823..2849, 2921..2944		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104595	Strand	-
Start	3176	End	3747
Name	OJ991113_39.0419.C46.o2.tc	Method	TBLASTX:Cress
Start	2530	End	2691
GI	none	Score	192
Exons	2530..2691, 2534..2671		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104595	Strand	-
Start	3176	End	3747
Name	OJ991113_39.0419.C46.o1.tc	Method	TBLASTX:Cress
Start	3128	End	3734
GI	none	Score	138
Exons	3128..3322, 3180..3323, 3552..3734, 3554..3727		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104595	Strand	-
Start	3176	End	3747
Name	OJ991113_39.0419.C46.o1.tm	Method	TBLASTX:Maize
Start	3176	End	3746
GI	none	Score	117
Exons	3176..3286, 3177..3302, 3180..3287, 3187..3303, 3278..3322, 3286..3333, 3549..3743, 3550..3744, 3551..3745, 3552..3746		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104595	Strand	-
Start	3176	End	3747
Name	OJ991113_39.0419.C46.o2.gs	Method	GENSCAN
Start	3176	End	3741
GI	none	Score	.62
Exons	3176..3320, 3555..3741		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104595	Strand	-
Start	3176	End	3747
Name	OJ991113_39.0419.C46.o2.np	Method	AAT/NAP
Start	3182	End	3745
GI	3894172	Score	220
Exons	3182..3320, 3555..3745		
GI Descrip.	(AC005312) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104595	Strand	-
Start	3176	End	3747
Name	OJ991113_39.0419.C46.o2.ts	Method	TBLASTX:Soybean
Start	3207	End	3743
GI	none	Score	108
Exons	3207..3311, 3209..3322, 3554..3742, 3558..3743		

Seq. No.	49148	Seq. ID	OJ991113_39.0419.C46
Gene No.	104595	Strand	-
Start	3176	End	3747
Name	OJ991113_39.0419.C46.o1.tw	Method	TBLASTX:Wheat
Start	3545	End	3747
GI	none	Score	197
Exons	3545..3739, 3552..3746, 3554..3742, 3598..3747		

Seq. No.	49149	Seq. ID	OJ991113_39.0419.C47
Gene No.	104596	Strand	+
Start	1209	End	1684
Name	OJ991113_39.0419.C47.o2.gp	Method	AAT/GAP
Start	1209	End	1684
GI	17691_1.R1084	Score	767
Exons	1209..1620, 1657..1684		
GI Descrip.	'2160177 5.0e-28 (AC000132) EST gb_R64758 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	49149	Seq. ID	OJ991113_39.0419.C47
Gene No.	104597	Strand	-
Start	95	End	1612
Name	OJ991113_39.0419.C47.o1.gp	Method	AAT/GAP

Start	95	End	869
GI	18047_1.R1084	Score	1057
Exons	95..304, 415..599, 683..869		
GI Descrip.	'3894172 2.0e-30 (AC005312) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]'		

Seq. No.	49149	Seq. ID	OJ991113_39.0419.C47
Gene No.	104597	Strand	-
Start	95	End	1612
Name	OJ991113_39.0419.C47.o1.gs	Method	GENSCAN
Start	116	End	1612
GI	none	Score	.62
Exons	116..304, 415..677, 683..916, 1498..1612		

Seq. No.	49149	Seq. ID	OJ991113_39.0419.C47
Gene No.	104597	Strand	-
Start	95	End	1612
Name	OJ991113_39.0419.C47.o1.np	Method	AAT/NAP
Start	121	End	865
GI	7431410	Score	241
Exons	121..304, 430..585, 684..865		
GI Descrip.	cinnamoyl CoA reductase - maize gi|2239260|emb|CAA74071.1| (Y13734) cinnamoyl CoA reductase [Zea mays]		

Seq. No.	49149	Seq. ID	OJ991113_39.0419.C47
Gene No.	104597	Strand	-
Start	95	End	1612
Name	OJ991113_39.0419.C47.o1.tm	Method	TBLASTX:Maize
Start	221	End	788
GI	none	Score	121
Exons	221..307, 222..302, 410..475, 415..600, 684..782, 735..788		

Seq. No.	49150	Seq. ID	OJ991113_39.0419.C49
Gene No.	104598	Strand	+
Start	119	End	2943
Name	OJ991113_39.0419.C49.o1.gs	Method	GENSCAN
Start	119	End	2904
GI	none	Score	.64
Exons	119..417, 503..704, 1978..2331, 2452..2537, 2574..2904		

Seq. No.	49150	Seq. ID	OJ991113_39.0419.C49
Gene No.	104598	Strand	+
Start	119	End	2943
Name	OJ991113_39.0419.C49.o1.np	Method	AAT/NAP
Start	2110	End	2935
GI	4263818	Score	165
Exons	2110..2331, 2425..2668, 2787..2935		
GI Descrip.	(AC006067) unknown protein [Arabidopsis thaliana]		

Seq. No.	49150	Seq. ID	OJ991113_39.0419.C49
Gene No.	104598	Strand	+
Start	119	End	2943
Name	OJ991113_39.0419.C49.o1.tc	Method	TBLASTX:Cress
Start	2443	End	2892
GI	none	Score	75
Exons	2443..2511, 2446..2511, 2531..2623, 2532..2624, 2632..2694, 2764..2892		

Seq. No.	49150	Seq. ID	OJ991113_39.0419.C49
Gene No.	104598	Strand	+
Start	119	End	2943
Name	OJ991113_39.0419.C49.o1.tm	Method	TBLASTX:Maize
Start	2445	End	2943
GI	none	Score	40
Exons	2445..2468, 2446..2469, 2460..2510, 2461..2511, 2510..2575, 2513..2629, 2514..2627, 2631..2654, 2632..2667, 2763..2813, 2763..2909, 2764..2898, 2767..2943, 2768..2932		

Seq. No.	49151	Seq. ID	OJ991113_39.0419.C50
Gene No.	104599	Strand	-
Start	1	End	1043
Name	OJ991113_39.0419.C50.o1.np	Method	AAT/NAP
Start	1	End	1043
GI	6539553	Score	1729
Exons	1..1043		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	49151	Seq. ID	OJ991113_39.0419.C50
Gene No.	104599	Strand	-
Start	1	End	1043
Name	OJ991113_39.0419.C50.o2.tw	Method	TBLASTX:Wheat
Start	1	End	423
GI	none	Score	90
Exons	1..84, 79..423, 103..276		

Seq. No.	49151	Seq. ID	OJ991113_39.0419.C50
Gene No.	104599	Strand	-
Start	1	End	1043
Name	OJ991113_39.0419.C50.o1.tm	Method	TBLASTX:Maize
Start	1	End	424
GI	none	Score	56
Exons	1..423, 62..172, 106..288, 242..424		

Seq. No.	49151	Seq. ID	OJ991113_39.0419.C50
Gene No.	104599	Strand	-
Start	1	End	1043
Name	OJ991113_39.0419.C50.o1.gs	Method	GENSCAN
Start	33	End	852
GI	none	Score	.54
Exons	33..852		

Seq. No.	49151	Seq. ID	OJ991113_39.0419.C50
Gene No.	104599	Strand	-
Start	1	End	1043
Name	OJ991113_39.0419.C50.o1.ts	Method	TBLASTX:Soybean
Start	94	End	558
GI	5509260	Score	58
Exons	94..558, 113..172, 245..340, 389..457		
GI Descrip.	-		

Seq. No.	49151	Seq. ID	OJ991113_39.0419.C50

Gene No.	104599	Strand	-
Start	1	End	1043
Name	OJ991113_39.0419.C50.o1.tc	Method	TBLASTX:Cress
Start	205	End	465
GI	none	Score	62
Exons	205..465, 386..463		

Seq. No.	49151	Seq. ID	OJ991113_39.0419.C50
Gene No.	104599	Strand	-
Start	1	End	1043
Name	OJ991113_39.0419.C50.o1.tw	Method	TBLASTX:Wheat
Start	478	End	1042
GI	none	Score	207
Exons	478..726, 478..1041, 746..1033, 784..1041, 788..1042		

Seq. No.	49152	Seq. ID	OJ991113_39.0419.C55
Gene No.	104600	Strand	+
Start	2157	End	4813
Name	OJ991113_39.0419.C55.o1.np	Method	AAT/NAP
Start	2157	End	4813
GI	6016691	Score	232
Exons	2157..2395, 3223..3272, 3371..3566, 4790..4813		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	49152	Seq. ID	OJ991113_39.0419.C55
Gene No.	104600	Strand	+
Start	2157	End	4813
Name	OJ991113_39.0419.C55.o1.gp	Method	AAT/GAP
Start	3149	End	3568
GI	30182_1.R1084	Score	625
Exons	3149..3272, 3351..3568		
GI Descrip.	'6016691/gb|AAF01518.1|AC009991_14 6.0e-49 (AC009991) unknown protein [Arabidopsis thaliana]'		

Seq. No.	49152	Seq. ID	OJ991113_39.0419.C55
Gene No.	104600	Strand	+
Start	2157	End	4813
Name	OJ991113_39.0419.C55.o1.gs	Method	GENSCAN
Start	3210	End	3653
GI	none	Score	.96
Exons	3210..3568, 3602..3653		

Seq. No.	49152	Seq. ID	OJ991113_39.0419.C55
Gene No.	104600	Strand	+
Start	2157	End	4813
Name	OJ991113_39.0419.C55.o1.tc	Method	TBLASTX:Cress
Start	3348	End	3548
GI	none	Score	85
Exons	3348..3449, 3452..3547, 3453..3548		

Seq. No.	49152	Seq. ID	OJ991113_39.0419.C55
Gene No.	104600	Strand	+
Start	2157	End	4813
Name	OJ991113_39.0419.C55.o1.tw	Method	TBLASTX:Wheat
Start	3362	End	3545
GI	none	Score	282
Exons	3362..3544, 3363..3545		

Seq. No.	49152	Seq. ID	OJ991113_39.0419.C55
Gene No.	104600	Strand	+
Start	2157	End	4813
Name	OJ991113_39.0419.C55.o1.tm	Method	TBLASTX:Maize
Start	3368	End	3559
GI	none	Score	293
Exons	3368..3559, 3369..3551		

Seq. No.	49153	Seq. ID	OJ991113_39.0419.C56
Gene No.	104601	Strand	+
Start	408	End	2319
Name	OJ991113_39.0419.C56.o1.gs	Method	GENSCAN
Start	408	End	2319
GI	none	Score	.59
Exons	408..486, 783..890, 2231..2319		

Seq. No.	49153	Seq. ID	OJ991113_39.0419.C56
Gene No.	104602	Strand	-
Start	1	End	180
Name	OJ991113_39.0419.C56.o1.gp	Method	AAT/GAP
Start	1	End	180
GI	46476_1.R1084	Score	341
Exons	1..180		
GI Descrip.	'4586049/gb|AAD25667.1|AC007020_9 2.0e-48 (AC007020) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	49154	Seq. ID	OJ991113_39.0419.C57
Gene No.	104603	Strand	+
Start	1	End	2463
Name	OJ991113_39.0419.C57.o1.np	Method	AAT/NAP
Start	1	End	2463
GI	7487161	Score	911
Exons	1..209, 885..1056, 1163..1359, 1926..2463		
GI Descrip.	hypothetical protein T19C21.19 - Arabidopsis thaliana gi|3395440|gb|AAC28772.1| (AC004683) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49154	Seq. ID	OJ991113_39.0419.C57
Gene No.	104603	Strand	+
Start	1	End	2463
Name	OJ991113_39.0419.C57.o1.gs	Method	GENSCAN
Start	63	End	2449
GI	none	Score	.96
Exons	63..209, 885..1056, 1163..1359, 1885..2449		

Seq. No.	49154	Seq. ID	OJ991113_39.0419.C57
Gene No.	104604	Strand	-
Start	3095	End	3311
Name	OJ991113_39.0419.C57.o1.tm	Method	TBLASTX:Maize
Start	43	End	2446
GI	none	Score	217
Exons	43..213, 882..1064, 883..1053, 1157..1273, 1162..1254, 1277..1336, 1964..2095, 2135..2194, 2249..2317, 2266..2316, 2336..2446, 2338..2445		

Seq. No.	49154	Seq. ID	OJ991113_39.0419.C57

Gene No.	104604	Strand	-
Start	3095	End	3311
Name	OJ991113_39.0419.C57.o2.ts	Method	TBLASTX:Soybean
Start	43	End	2481
GI	none	Score	43
Exons	43..75, 76..168, 1958..2155, 2246..2317, 2374..2481, 2375..2464		

Seq. No.	49154	Seq. ID	OJ991113_39.0419.C57
Gene No.	104604	Strand	-
Start	3095	End	3311
Name	OJ991113_39.0419.C57.o1.tw	Method	TBLASTX:Wheat
Start	166	End	1336
GI	none	Score	83
Exons	166..213, 168..209, 882..1007, 883..1056, 1154..1336, 1162..1335		

Seq. No.	49154	Seq. ID	OJ991113_39.0419.C57
Gene No.	104604	Strand	-
Start	3095	End	3311
Name	OJ991113_39.0419.C57.o1.ts	Method	TBLASTX:Soybean
Start	169	End	1327
GI	none	Score	74
Exons	169..213, 883..1050, 909..1064, 1144..1320, 1145..1327		

Seq. No.	49154	Seq. ID	OJ991113_39.0419.C57
Gene No.	104604	Strand	-
Start	3095	End	3311
Name	OJ991113_39.0419.C57.o2.tc	Method	TBLASTX:Cress
Start	1171	End	1336
GI	none	Score	192
Exons	1171..1335, 1172..1336		

Seq. No.	49154	Seq. ID	OJ991113_39.0419.C57
Gene No.	104604	Strand	-
Start	3095	End	3311
Name	OJ991113_39.0419.C57.o1.tc	Method	TBLASTX:Cress
Start	1964	End	2431
GI	none	Score	104
Exons	1964..2095, 2255..2431, 2263..2418		

Seq. No.	49154	Seq. ID	OJ991113_39.0419.C57
Gene No.	104604	Strand	-
Start	3095	End	3311
Name	OJ991113_39.0419.C57.o2.np	Method	AAT/NAP
Start	3095	End	3311
GI	7489617	Score	83
Exons	3095..3311		
GI Descrip.	hypothetical protein 75B - rice mitochondrion gi|769709|dbj|BAA06813.1| (D32052) ORF75B [Oryza sativa]		

Seq. No.	49155	Seq. ID	OJ991113_39.0419.C58
Gene No.	104605	Strand	-
Start	1	End	1286
Name	OJ991113_39.0419.C58.o1.np	Method	AAT/NAP
Start	1	End	1286
GI	2459446	Score	115
Exons	1..225, 1160..1286		
GI Descrip.	(AC002332) putative cinnamoyl-CoA reductase [Arabidopsis		

thaliana]

Seq. No.	49155	Seq. ID	OJ991113_39.0419.C58
Gene No.	104605	Strand	-
Start	1	End	1286
Name	OJ991113_39.0419.C58.o1.gs	Method	GENSCAN
Start	41	End	514
GI	none	Score	.85
Exons	41..514		

Seq. No.	49155	Seq. ID	OJ991113_39.0419.C58
Gene No.	104605	Strand	-
Start	1	End	1286
Name	OJ991113_39.0419.C58.o1.tm	Method	TBLASTX:Maize
Start	50	End	240
GI	none	Score	83
Exons	50..235, 78..149, 110..235, 112..240		

Seq. No.	49156	Seq. ID	OJ991113_39.0419.C59
Gene No.	104606	Strand	-
Start	991	End	1200
Name	OJ991113_39.0419.C59.o1.gs	Method	GENSCAN
Start	991	End	1200
GI	none	Score	.69
Exons	991..1200		

Seq. No.	49157	Seq. ID	OJ991113_39.0419.C60
Gene No.	104607	Strand	+
Start	579	End	653
Name	OJ991113_39.0419.C60.o1.gs	Method	GENSCAN
Start	579	End	653
GI	none	Score	.53
Exons	579..653		

Seq. No.	49158	Seq. ID	OJ991113_39.0419.C63
Gene No.	104608	Strand	-
Start	1	End	639
Name	OJ991113_39.0419.C63.o1.np	Method	AAT/NAP
Start	1	End	639
GI	2498930	Score	726
Exons	1..408, 576..639		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	49159	Seq. ID	OJ991113_34.0421.C1
Gene No.	104609	Strand	-
Start	1	End	3126
Name	OJ991113_34.0421.C1.o1.np	Method	AAT/NAP
Start	1	End	3126
GI	6907105	Score	597
Exons	1..61, 407..465, 612..672, 716..768, 2894..3126		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49159	Seq. ID	OJ991113_34.0421.C1
Gene No.	104609	Strand	-
Start	1	End	3126
Name	OJ991113_34.0421.C1.o1.gs	Method	GENSCAN

Start	613	End	3126
GI	none	Score	.83
Exons	613..672, 1356..1418, 1500..1588, 2894..3126		

Seq. No.	49159	Seq. ID	OJ991113_34.0421.C1
Gene No.	104610	Strand	-
Start	4410	End	7259
Name	OJ991113_34.0421.C1.o2.gs	Method	GENSCAN
Start	4410	End	5310
GI	none	Score	.56
Exons	4410..4831, 4916..5080, 5184..5310		

Seq. No.	49159	Seq. ID	OJ991113_34.0421.C1
Gene No.	104610	Strand	-
Start	4410	End	7259
Name	OJ991113_34.0421.C1.o2.np	Method	AAT/NAP
Start	4413	End	7259
GI	6907104	Score	1659
Exons	4413..4831, 4916..5080, 5184..5458, 7091..7259		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49160	Seq. ID	OJ991113_34.0421.C2
Gene No.	104611	Strand	+
Start	200	End	1799
Name	OJ991113_34.0421.C2.o1.gs	Method	GENSCAN
Start	200	End	1799
GI	none	Score	.52
Exons	200..320, 335..447, 616..716, 1433..1799		

Seq. No.	49160	Seq. ID	OJ991113_34.0421.C2
Gene No.	104612	Strand	-
Start	1	End	1840
Name	OJ991113_34.0421.C2.o1.np	Method	AAT/NAP
Start	1	End	1840
GI	6907104	Score	733
Exons	1..65, 695..807, 1301..1441, 1687..1840		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49161	Seq. ID	OJ991113_34.0421.C3
Gene No.	104613	Strand	+
Start	3525	End	3746
Name	OJ991113_34.0421.C3.o1.gp	Method	AAT/GAP
Start	3521	End	3654
GI	13480_1.R1084	Score	234
Exons	3521..3654		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49161	Seq. ID	OJ991113_34.0421.C3
Gene No.	104613	Strand	+
Start	3525	End	3746
Name	OJ991113_34.0421.C3.o3.gs	Method	GENSCAN
Start	3525	End	3654
GI	none	Score	.99
Exons	3525..3654		

Seq. No.	49161	Seq. ID	OJ991113_34.0421.C3

Gene No.	104613	Strand	+
Start	3525	End	3746
Name	OJ991113_34.0421.C3.o3.np	Method	AAT/NAP
Start	3525	End	3746
GI	6907102	Score	197
Exons	3525..3746		
GI Descrip.	(AP001129) ESTs AU032852(S15362),AU070591(S5037) correspond to a region of the predicted gene.; Similar to Caenorhabditis elegans cosmid T10C6. (Z93388) [Oryza sativa]		

Seq. No.	49161	Seq. ID	OJ991113_34.0421.C3
Gene No.	104614	Strand	-
Start	1	End	982
Name	OJ991113_34.0421.C3.o1.np	Method	AAT/NAP
Start	1	End	982
GI	6907104	Score	350
Exons	1..29, 581..617, 794..982		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49161	Seq. ID	OJ991113_34.0421.C3
Gene No.	104615	Strand	-
Start	2409	End	2894
Name	OJ991113_34.0421.C3.o2.gs	Method	GENSCAN
Start	2409	End	2894
GI	none	Score	.62
Exons	2409..2894		

Seq. No.	49161	Seq. ID	OJ991113_34.0421.C3
Gene No.	104615	Strand	-
Start	2409	End	2894
Name	OJ991113_34.0421.C3.o2.np	Method	AAT/NAP
Start	2412	End	2894
GI	6907103	Score	870
Exons	2412..2894		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49162	Seq. ID	OJ991113_34.0421.C4
Gene No.	104616	Strand	+
Start	159	End	542
Name	OJ991113_34.0421.C4.o1.gs	Method	GENSCAN
Start	159	End	542
GI	none	Score	.73
Exons	159..178, 243..381, 425..542		

Seq. No.	49162	Seq. ID	OJ991113_34.0421.C4
Gene No.	104617	Strand	+
Start	484	End	768
Name	OJ991113_34.0421.C4.o1.np	Method	AAT/NAP
Start	484	End	768
GI	2498930	Score	125
Exons	484..542, 710..768		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	49163	Seq. ID	OJ991113_34.0421.C6
Gene No.	104618	Strand	+
Start	1	End	2749

Name	OJ991113_34.0421.C6.o1.np	Method	AAT/NAP
Start	1	End	523
GI	6069646	Score	747
Exons	1..523		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49163	Seq. ID	OJ991113_34.0421.C6
Gene No.	104618	Strand	+
Start	1	End	2749
Name	OJ991113_34.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	29	End	514
GI	none	Score	217
Exons	29..265, 166..291, 299..514, 307..417		

Seq. No.	49163	Seq. ID	OJ991113_34.0421.C6
Gene No.	104618	Strand	+
Start	1	End	2749
Name	OJ991113_34.0421.C6.o1.tw	Method	TBLASTX:Wheat
Start	44	End	397
GI	none	Score	201
Exons	44..241, 362..397		

Seq. No.	49163	Seq. ID	OJ991113_34.0421.C6
Gene No.	104618	Strand	+
Start	1	End	2749
Name	OJ991113_34.0421.C6.o2.np	Method	AAT/NAP
Start	370	End	2715
GI	6069661	Score	1848
Exons	370..490, 1593..2715		
GI Descrip.	(AP000616) Similar to Sequence of BAC F7G19 from Arabidopsis thaliana chromosome 1; similar to Saccharomyces hypothetical protein YDR051c (AC000106) [Oryza sativa]		

Seq. No.	49163	Seq. ID	OJ991113_34.0421.C6
Gene No.	104618	Strand	+
Start	1	End	2749
Name	OJ991113_34.0421.C6.o1.gs	Method	GENSCAN
Start	1632	End	2749
GI	none	Score	.51
Exons	1632..2186, 2246..2749		

Seq. No.	49163	Seq. ID	OJ991113_34.0421.C6
Gene No.	104618	Strand	+
Start	1	End	2749
Name	OJ991113_34.0421.C6.o2.ts	Method	TBLASTX:Soybean
Start	1884	End	2213
GI	none	Score	103
Exons	1884..2018, 2013..2213, 2117..2209		

Seq. No.	49163	Seq. ID	OJ991113_34.0421.C6
Gene No.	104618	Strand	+
Start	1	End	2749
Name	OJ991113_34.0421.C6.o1.tc	Method	TBLASTX:Cress

Start	2156	End	2569
GI	none	Score	46
Exons	2156..2209, 2157..2198, 2216..2323, 2221..2310, 2344..2511, 2345..2569, 2402..2569		

Seq. No.	49163	Seq. ID	OJ991113_34.0421.C6
Gene No.	104618	Strand	+
Start	1	End	2749
Name	OJ991113_34.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	2216	End	2434
GI	none	Score	352
Exons	2216..2434, 2218..2433		

Seq. No.	49163	Seq. ID	OJ991113_34.0421.C6
Gene No.	104618	Strand	+
Start	1	End	2749
Name	OJ991113_34.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	2242	End	2539
GI	none	Score	210
Exons	2242..2268, 2267..2347, 2275..2511, 2345..2539, 2402..2539		

Seq. No.	49163	Seq. ID	OJ991113_34.0421.C6
Gene No.	104618	Strand	+
Start	1	End	2749
Name	OJ991113_34.0421.C6.o3.ts	Method	TBLASTX:Soybean
Start	2435	End	2608
GI	none	Score	188
Exons	2435..2608, 2440..2508		

Seq. No.	49164	Seq. ID	OJ991113_34.0421.C7
Gene No.	104619	Strand	-
Start	495	End	1672
Name	OJ991113_34.0421.C7.o1.gs	Method	GENSCAN
Start	495	End	1495
GI	none	Score	.62
Exons	495..539, 810..1043, 1106..1495		

Seq. No.	49164	Seq. ID	OJ991113_34.0421.C7
Gene No.	104619	Strand	-
Start	495	End	1672
Name	OJ991113_34.0421.C7.o1.np	Method	AAT/NAP
Start	810	End	1672
GI	6907086	Score	962
Exons	810..1672		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49165	Seq. ID	OJ991113_34.0421.C8
Gene No.	104620	Strand	+
Start	1035	End	1550
Name	OJ991113_34.0421.C8.o1.gp	Method	AAT/GAP
Start	1035	End	1550
GI	38782_1.R1084	Score	863
Exons	1035..1550		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	49165	Seq. ID	OJ991113_34.0421.C8

Gene No.	104621	Strand	-
Start	140	End	2906
Name	OJ991113_34.0421.C8.o1.np	Method	AAT/NAP
Start	140	End	690
GI	6907088	Score	552
Exons	140..377, 553..690		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49165	Seq. ID	OJ991113_34.0421.C8
Gene No.	104621	Strand	-
Start	140	End	2906
Name	OJ991113_34.0421.C8.o1.gs	Method	GENSCAN
Start	140	End	2884
GI	none	Score	.48
Exons	140..222, 337..525, 548..663, 1139..1362, 2359..2659, 2697..2884		

Seq. No.	49165	Seq. ID	OJ991113_34.0421.C8
Gene No.	104621	Strand	-
Start	140	End	2906
Name	OJ991113_34.0421.C8.o2.np	Method	AAT/NAP
Start	701	End	2906
GI	6069659	Score	919
Exons	701..727, 2359..2906		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	49166	Seq. ID	OJ991113_34.0421.C9
Gene No.	104622	Strand	+
Start	3378	End	4632
Name	OJ991113_34.0421.C9.o2.np	Method	AAT/NAP
Start	3276	End	4629
GI	6069657	Score	1564
Exons	3276..3635, 4079..4629		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	49166	Seq. ID	OJ991113_34.0421.C9
Gene No.	104622	Strand	+
Start	3378	End	4632
Name	OJ991113_34.0421.C9.o2.gs	Method	GENSCAN
Start	3378	End	4632
GI	none	Score	.46
Exons	3378..3777, 4037..4632		

Seq. No.	49166	Seq. ID	OJ991113_34.0421.C9
Gene No.	104623	Strand	+
Start	5477	End	6589
Name	OJ991113_34.0421.C9.o3.gs	Method	GENSCAN
Start	5477	End	6424
GI	none	Score	.84
Exons	5477..5687, 5696..6005, 6068..6179, 6218..6424		

Seq. No.	49166	Seq. ID	OJ991113_34.0421.C9
Gene No.	104623	Strand	+
Start	5477	End	6589
Name	OJ991113_34.0421.C9.o3.np	Method	AAT/NAP
Start	5477	End	6421
GI	6069656	Score	1484
Exons	5477..5687, 5783..6421		

GI Descrip.	(AP000616) similar to pollen allergen-like protein (X85187) [Oryza sativa]		
Seq. No.	49166	Seq. ID	OJ991113_34.0421.C9
Gene No.	104623	Strand	+
Start	5477	End	6589
Name	OJ991113_34.0421.C9.o1.gp	Method	AAT/GAP
Start	6050	End	6589
GI	17184_1.R1084	Score	896
Exons	6050..6589		
GI Descrip.	'6069656/dbj|BAA85432.1| 6.0e-46 (AP000616) similar to pollen allergen-like protein (X85187) [Oryza sativa]'		

Seq. No.	49166	Seq. ID	OJ991113_34.0421.C9
Gene No.	104624	Strand	+
Start	8789	End	9312
Name	OJ991113_34.0421.C9.o5.np	Method	AAT/NAP
Start	8789	End	9312
GI	4680186	Score	88
Exons	8789..8923, 9240..9312		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49166	Seq. ID	OJ991113_34.0421.C9
Gene No.	104625	Strand	-
Start	1024	End	1652
Name	OJ991113_34.0421.C9.o1.np	Method	AAT/NAP
Start	1024	End	1652
GI	6069658	Score	265
Exons	1024..1109, 1574..1652		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	49166	Seq. ID	OJ991113_34.0421.C9
Gene No.	104626	Strand	-
Start	7825	End	8159
Name	OJ991113_34.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	5778	End	6292
GI	none	Score	93
Exons	5778..5798, 5824..5916, 5835..5921, 5916..5972, 5917..5973, 5970..6014, 5971..6012, 6024..6197, 6024..6194, 6026..6196, 6206..6292		

Seq. No.	49166	Seq. ID	OJ991113_34.0421.C9
Gene No.	104626	Strand	-
Start	7825	End	8159
Name	OJ991113_34.0421.C9.o1.tc	Method	TBLASTX:Cress
Start	5824	End	6277
GI	none	Score	97
Exons	5824..5916, 5832..5921, 5916..6014, 5917..6012, 6024..6194, 6026..6193, 6206..6277		

Seq. No.	49166	Seq. ID	OJ991113_34.0421.C9
Gene No.	104626	Strand	-
Start	7825	End	8159
Name	OJ991113_34.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	5824	End	6292
GI	none	Score	91
Exons	5824..5916, 5832..5921, 5916..6014, 5917..6012, 6024..6197,		

6024..6194, 6221..6292

Seq. No.	49166	Seq. ID	OJ991113_34.0421.C9
Gene No.	104626	Strand	-
Start	7825	End	8159
Name	OJ991113_34.0421.C9.o4.gs	Method	GENSCAN
Start	7825	End	8159
GI	none	Score	.82
Exons	7825..7996, 8128..8159		

Seq. No.	49166	Seq. ID	OJ991113_34.0421.C9
Gene No.	104626	Strand	-
Start	7825	End	8159
Name	OJ991113_34.0421.C9.o4.np	Method	AAT/NAP
Start	7828	End	8159
GI	6069655	Score	305
Exons	7828..7996, 8128..8159		
GI Descrip.	(AP000616) similar to putative MADS box transcription factor PrMADS9 (U90344) [Oryza sativa]		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104627	Strand	+
Start	5025	End	8241
Name	OJ991113_34.0421.C10.o1.np	Method	AAT/NAP
Start	4615	End	7040
GI	6069653	Score	3672
Exons	4615..4821, 4856..5817, 5896..6676, 6830..7040		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104627	Strand	+
Start	5025	End	8241
Name	OJ991113_34.0421.C10.o2.gs	Method	GENSCAN
Start	5025	End	8241
GI	none	Score	.54
Exons	5025..5629, 6080..6273, 6361..6676, 7620..8241		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104628	Strand	+
Start	9908	End	10276
Name	OJ991113_34.0421.C10.o3.gs	Method	GENSCAN
Start	9908	End	10276
GI	none	Score	1
Exons	9908..10276		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104629	Strand	+
Start	14504	End	15618
Name	OJ991113_34.0421.C10.o3.np	Method	AAT/NAP
Start	14504	End	15279
GI	6069651	Score	579
Exons	14504..14526, 14781..14931, 15045..15279		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104629	Strand	+
Start	14504	End	15618

Name	OJ991113_34.0421.C10.o4.gs	Method	GENSCAN
Start	14504	End	15618
GI	none	Score	.74
Exons	14504..14526, 14781..14931, 15045..15129, 15143..15264, 15475..15618		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104630	Strand	+
Start	19889	End	20488
Name	OJ991113_34.0421.C10.o4.np	Method	AAT/NAP
Start	19889	End	20485
GI	6069650	Score	1049
Exons	19889..20485		
GI Descrip.	(AP000616) similar to putative DNA-binding protein RAV2 (AC007017) [Oryza sativa] gi|6907116|dbj|BAA90643.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F11F19 genomic sequence, putative DNA-binding protein RAV2. (AC007017) [Oryza sativa]		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104630	Strand	+
Start	19889	End	20488
Name	OJ991113_34.0421.C10.o6.gs	Method	GENSCAN
Start	19889	End	20488
GI	none	Score	1
Exons	19889..20488		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104631	Strand	-
Start	608	End	3571
Name	OJ991113_34.0421.C10.o1.gs	Method	GENSCAN
Start	608	End	3571
GI	none	Score	.66
Exons	608..1248, 1413..2016, 2492..2603, 2668..2762, 3096..3218, 3557..3571		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104632	Strand	-
Start	7501	End	10131
Name	OJ991113_34.0421.C10.o2.np	Method	AAT/NAP
Start	7501	End	10131
GI	6069652	Score	1469
Exons	7501..7875, 8000..8276, 9920..10131		
GI Descrip.	(AP000616) similar to MADS-box protein AGL14 (U20184) [Oryza sativa]		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104633	Strand	-
Start	18088	End	18402
Name	OJ991113_34.0421.C10.o2.ts	Method	TBLASTX:Soybean
Start	9907	End	10074
GI	none	Score	63
Exons	9907..10074, 9950..10051		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104633	Strand	-
Start	18088	End	18402

Name	OJ991113_34.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	9919	End	10074
GI	none	Score	69
Exons	9919..10074, 9950..10051		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104633	Strand	-
Start	18088	End	18402
Name	OJ991113_34.0421.C10.o2.tc	Method	TBLASTX:Cress
Start	9919	End	10074
GI	none	Score	184
Exons	9919..10074		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104633	Strand	-
Start	18088	End	18402
Name	OJ991113_34.0421.C10.o5.gs	Method	GENSCAN
Start	18088	End	18402
GI	none	Score	.4
Exons	18088..18095, 18351..18402		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104634	Strand	
Start	19984	End	20275
Name	OJ991113_34.0421.C10.o1.tc	Method	TBLASTX:Cress
Start	19984	End	20275
GI	none	Score	167
Exons	19984..20160, 19985..20170, 20156..20275		

Seq. No.	49167	Seq. ID	OJ991113_34.0421.C10
Gene No.	104634	Strand	
Start	19984	End	20275
Name	OJ991113_34.0421.C10.o1.ts	Method	TBLASTX:Soybean
Start	19984	End	20275
GI	none	Score	141
Exons	19984..20082, 19985..20083, 20144..20275		

Seq. No.	49168	Seq. ID	OJ991113_34.0421.C15
Gene No.	104635	Strand	+
Start	1	End	1719
Name	OJ991113_34.0421.C15.o1.gp	Method	AAT/GAP
Start	1	End	1719
GI	15929_1.R1084	Score	2394
Exons	1..612, 1121..1719		
GI Descrip.	'6069663/dbj|BAA85439.1| 5.0e-44 (AP000616) ESTs C72127(E1041),AU078646(E1041) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F3D13; similar to Medicago truncatula MtN2 (AF069300) [Oryza sativa]'		

Seq. No.	49168	Seq. ID	OJ991113_34.0421.C15
Gene No.	104635	Strand	+
Start	1	End	1719
Name	OJ991113_34.0421.C15.o1.np	Method	AAT/NAP
Start	1	End	1281
GI	6907100	Score	1358
Exons	1..612, 1121..1281		
GI Descrip.	(AP001129) ESTs C99736(E21196),AU030984(E60527),		

AU030985(E60527) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC IG002N01; A. thaliana cDNA T20924. (AF007269) [Oryza sativa]

Seq. No.	49168	Seq. ID	OJ991113_34.0421.C15
Gene No.	104635	Strand	+
Start	1	End	1719
Name	OJ991113_34.0421.C15.o1.gs	Method	GENSCAN
Start	151	End	1284
GI	none	Score	.83
Exons	151..243, 444..612, 1121..1284		

Seq. No.	49168	Seq. ID	OJ991113_34.0421.C15
Gene No.	104636	Strand	+
Start	2605	End	4398
Name	OJ991113_34.0421.C15.o1.tm	Method	TBLASTX:Maize
Start	2	End	1347
GI	none	Score	241
Exons	2..73, 3..197, 3..191, 205..381, 210..428, 213..428, 423..614, 423..608, 434..613, 442..621, 1102..1206, 1102..1206, 1112..1210, 1113..1238, 1113..1211, 1124..1246, 1202..1282, 1203..1283, 1222..1284, 1330..1347		

Seq. No.	49168	Seq. ID	OJ991113_34.0421.C15
Gene No.	104636	Strand	+
Start	2605	End	4398
Name	OJ991113_34.0421.C15.o2.gs	Method	GENSCAN
Start	2605	End	4373
GI	none	Score	.75
Exons	2605..3088, 3945..4373		

Seq. No.	49168	Seq. ID	OJ991113_34.0421.C15
Gene No.	104636	Strand	+
Start	2605	End	4398
Name	OJ991113_34.0421.C15.o2.np	Method	AAT/NAP
Start	2605	End	4378
GI	6907101	Score	1499
Exons	2605..3088, 3945..4378		
GI Descrip.	(AP001129) Similar to Chlorella vulgaris C-27 chloroplast DNA, cell division inhibitor MinD. (AB001684) [Oryza sativa]		

Seq. No.	49168	Seq. ID	OJ991113_34.0421.C15
Gene No.	104636	Strand	+
Start	2605	End	4398
Name	OJ991113_34.0421.C15.o2.ts	Method	TBLASTX:Soybean
Start	2872	End	4077
GI	none	Score	179
Exons	2872..3042, 2896..2937, 2970..3026, 3043..3099, 3928..4077, 3944..4075		

Seq. No.	49168	Seq. ID	OJ991113_34.0421.C15
Gene No.	104636	Strand	+
Start	2605	End	4398
Name	OJ991113_34.0421.C15.o1.ts	Method	TBLASTX:Soybean
Start	4078	End	4398
GI	none	Score	336
Exons	4078..4338, 4079..4339, 4354..4398		

Seq. No.	49169	Seq. ID	OJ991113_34.0421.C17
Gene No.	104637	Strand	-
Start	1	End	1800
Name	OJ991113_34.0421.C17.o1.gp	Method	AAT/GAP
Start	1	End	504
GI	21348_1.R1084	Score	659
Exons	1..209, 316..504		
GI Descrip.	'6069648/dbj|BAA85424.1| 1.0e-15 (AP000616) ESTs AU078644(E0685),C72841(E2351),AU078645(E0685), AU030746(E60179) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F11O4; similar to Medicago truncatula MtN21 (AF096370) [Oryza '		

Seq. No.	49169	Seq. ID	OJ991113_34.0421.C17
Gene No.	104637	Strand	-
Start	1	End	1800
Name	OJ991113_34.0421.C17.o1.gs	Method	GENSCAN
Start	44	End	1710
GI	none	Score	.85
Exons	44..209, 316..467, 587..994, 1110..1230, 1371..1433, 1526..1710		

Seq. No.	49169	Seq. ID	OJ991113_34.0421.C17
Gene No.	104637	Strand	-
Start	1	End	1800
Name	OJ991113_34.0421.C17.o1.np	Method	AAT/NAP
Start	47	End	1710
GI	6815050	Score	1638
Exons	47..209, 316..467, 587..994, 1114..1230, 1371..1433, 1526..1710		
GI Descrip.	(AP000616) ESTs AU078644(E0685),C72841(E2351),AU078645(E0685), AU030746(E60179) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F11O4; similar to Medicago truncatula MtN21 (AF096370) [Oryza ...		

Seq. No.	49169	Seq. ID	OJ991113_34.0421.C17
Gene No.	104637	Strand	-
Start	1	End	1800
Name	OJ991113_34.0421.C17.o1.tc	Method	TBLASTX:Cress
Start	146	End	823
GI	none	Score	59
Exons	146..229, 147..212, 316..468, 318..467, 587..823		

Seq. No.	49169	Seq. ID	OJ991113_34.0421.C17
Gene No.	104637	Strand	-
Start	1	End	1800
Name	OJ991113_34.0421.C17.o1.ts	Method	TBLASTX:Soybean
Start	146	End	970
GI	none	Score	85
Exons	146..220, 318..467, 319..468, 587..817, 896..970		

Seq. No.	49169	Seq. ID	OJ991113_34.0421.C17
Gene No.	104637	Strand	-
Start	1	End	1800
Name	OJ991113_34.0421.C17.o1.tm	Method	TBLASTX:Maize
Start	151	End	667
GI	none	Score	70
Exons	151..171, 155..223, 156..212, 156..248, 158..220, 297..467,		

316..468, 573..665, 587..649, 587..667, 594..665

Seq. No.	49169	Seq. ID	OJ991113_34.0421.C17
Gene No.	104637	Strand	-
Start	1	End	1800
Name	OJ991113_34.0421.C17.o2.gp	Method	AAT/GAP
Start	1063	End	1800
GI	74975_1.R1084	Score	1225
Exons	1063..1433, 1526..1800		
GI Descrip.	'6069648/dbj|BAA85424.1| 1.0e-29 (AP000616) ESTs AU078644(E0685),C72841(E2351),AU078645(E0685), AU030746(E60179) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F11O4; similar to Medicago truncatula MtN21 (AF096370) [Oryza '		

Seq. No.	49169	Seq. ID	OJ991113_34.0421.C17
Gene No.	104637	Strand	-
Start	1	End	1800
Name	OJ991113_34.0421.C17.o2.tm	Method	TBLASTX:Maize
Start	1203	End	1723
GI	none	Score	48
Exons	1203..1253, 1352..1435, 1370..1435, 1371..1454, 1519..1617, 1525..1686, 1673..1723		

Seq. No.	49170	Seq. ID	OJ991113_34.0421.C19
Gene No.	104638	Strand	-
Start	1	End	1408
Name	OJ991113_34.0421.C19.o1.np	Method	AAT/NAP
Start	1	End	982
GI	6539580	Score	617
Exons	1..577, 676..799, 872..982		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	49170	Seq. ID	OJ991113_34.0421.C19
Gene No.	104638	Strand	-
Start	1	End	1408
Name	OJ991113_34.0421.C19.o1.gs	Method	GENSCAN
Start	34	End	1408
GI	none	Score	.67
Exons	34..575, 656..799, 872..982, 1274..1408		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104639	Strand	+
Start	1643	End	2617
Name	OJ991113_34.0421.C20.o1.np	Method	AAT/NAP
Start	1643	End	2617
GI	6907106	Score	1415
Exons	1643..1893, 2001..2180, 2212..2617		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104640	Strand	+
Start	2707	End	3069
Name	OJ991113_34.0421.C20.o1.gp	Method	AAT/GAP
Start	2707	End	3069
GI	20886_2.R1084	Score	517

Exons	2707..3069		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-24 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104641	Strand	+
Start	15432	End	17639
Name	OJ991113_34.0421.C20.o2.gs	Method	GENSCAN
Start	15432	End	17639
GI	none	Score	.66
Exons	15432..15608, 16212..16349, 17325..17639		
Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104641	Strand	+
Start	15432	End	17639
Name	OJ991113_34.0421.C20.o4.np	Method	AAT/NAP
Start	15432	End	17636
GI	6907109	Score	1036
Exons	15432..15608, 16212..16349, 17325..17636		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104642	Strand	+
Start	19397	End	21488
Name	OJ991113_34.0421.C20.o7.gp	Method	AAT/GAP
Start	19377	End	19991
GI	uC-osflm202111e05b1	Score	958
Exons	19377..19653, 19739..19991		
GI Descrip.	'6069663/dbj|BAA85439.1| 8.0e-70 (AP000616) ESTs C72127(E1041),AU078646(E1041) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F3D13; similar to Medicago truncatula MtN2 (AF069300) [Oryza sativa]'		
Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104642	Strand	+
Start	19397	End	21488
Name	OJ991113_34.0421.C20.o3.gs	Method	GENSCAN
Start	19397	End	21488
GI	none	Score	.82
Exons	19397..19653, 19739..19968, 20426..20536, 20722..20826, 20914..21488		
Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104642	Strand	+
Start	19397	End	21488
Name	OJ991113_34.0421.C20.o5.np	Method	AAT/NAP
Start	19397	End	21485
GI	6907110	Score	1998
Exons	19397..19653, 19739..19968, 20426..20536, 20722..20826, 20914..21485		
GI Descrip.	(AP001129) Similar to Bacillus subtilis complete genome (section 7 of 21), from 1194391 to 1411140, yjcL. (Z99110) [Oryza sativa]		
Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104643	Strand	-
Start	3552	End	5950
Name	OJ991113_34.0421.C20.o2.gp	Method	AAT/GAP

Start	3552	End	4182
GI	18664_2.R1084	Score	1230
Exons	3552..4182		
GI Descrip.	'3451075/emb|CAA20471.1| 4.0e-34 (AL031326) putative protein [Arabidopsis thaliana]'		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104643	Strand	-
Start	3552	End	5950
Name	OJ991113_34.0421.C20.o2.np	Method	AAT/NAP
Start	3787	End	5886
GI	6907107	Score	2480
Exons	3787..5195, 5866..5886		
GI Descrip.	(AP001129) ESTs AU029388(E30287),D49277(S16474) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F16G20, picA protein. (AL031326) [Oryza sativa]		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104643	Strand	-
Start	3552	End	5950
Name	OJ991113_34.0421.C20.o3.gp	Method	AAT/GAP
Start	4362	End	4800
GI	49768_1.R1084	Score	862
Exons	4362..4800		
GI Descrip.	'3451075/emb|CAA20471.1| 1.0e-59 (AL031326) putative protein [Arabidopsis thaliana]'		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104643	Strand	-
Start	3552	End	5950
Name	OJ991113_34.0421.C20.o4.gp	Method	AAT/GAP
Start	4984	End	5950
GI	none	Score	577
Exons	4984..5195, 5842..5950		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104644	Strand	-
Start	9605	End	10391
Name	OJ991113_34.0421.C20.o5.gp	Method	AAT/GAP
Start	9605	End	10217
GI	none	Score	1137
Exons	9605..10217		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104644	Strand	-
Start	9605	End	10391
Name	OJ991113_34.0421.C20.o3.np	Method	AAT/NAP
Start	9747	End	10391
GI	6907108	Score	1126
Exons	9747..10391		
GI Descrip.	(AP001129) EST D23066(C2127) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104645	Strand	-
Start	10364	End	12233

Name	OJ991113_34.0421.C20.o6.gp	Method	AAT/GAP
Start	10364	End	12233
GI	3758992	Score	655
Exons	10364..10427, 10527..10653, 12049..12233		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104646	Strand	-
Start	21852	End	22283
Name	OJ991113_34.0421.C20.o6.np	Method	AAT/NAP
Start	21712	End	22283
GI	6069645	Score	1016
Exons	21712..22283		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa] gi|6907111|dbj|BAA90638.1| (AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104646	Strand	-
Start	21852	End	22283
Name	OJ991113_34.0421.C20.o4.gs	Method	GENSCAN
Start	21852	End	22283
GI	none	Score	1
Exons	21852..22283		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o11.tm	Method	TBLASTX:Maize
Start	2236	End	2517
GI	none	Score	113
Exons	2236..2343, 2244..2366, 2245..2349, 2276..2455, 2277..2438, 2369..2452, 2385..2459, 2476..2517, 2480..2515		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o1.tm	Method	TBLASTX:Maize
Start	3785	End	4561
GI	none	Score	984
Exons	3785..4561, 3790..4560		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o1.ts	Method	TBLASTX:Soybean
Start	3811	End	5099
GI	none	Score	61
Exons	3811..3867, 3895..3969, 3899..3976, 3955..4041, 4040..4966, 4051..4965, 4966..5013, 5004..5099		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o3.tc	Method	TBLASTX:Cress
Start	4081	End	4566
GI	none	Score	165
Exons	4081..4566, 4205..4540		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o1.tw	Method	TBLASTX:Wheat
Start	4520	End	4843
GI	none	Score	185
Exons	4520..4843, 4522..4842		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o10.tm	Method	TBLASTX:Maize
Start	4564	End	4728
GI	none	Score	127
Exons	4564..4728, 4565..4726		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o1.tc	Method	TBLASTX:Cress
Start	4660	End	5099
GI	none	Score	288
Exons	4660..4965, 4661..4966, 4966..5013, 5004..5099		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o2.tm	Method	TBLASTX:Maize
Start	4729	End	5114
GI	none	Score	396
Exons	4729..5013, 4733..5005, 5004..5114, 5005..5112		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o2.tw	Method	TBLASTX:Wheat
Start	4849	End	5058
GI	none	Score	196
Exons	4849..5058, 4862..5005		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o6.tm	Method	TBLASTX:Maize
Start	9855	End	10366
GI	none	Score	56
Exons	9855..9986, 9858..9986, 10020..10091, 10021..10098, 10061..10135, 10083..10268, 10092..10325, 10100..10366, 10196..10318, 10332..10364		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o3.ts	Method	TBLASTX:Soybean
Start	10095	End	10325
GI	none	Score	77

Exons	10095..10259, 10101..10325		
Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o4.tc	Method	TBLASTX:Cress
Start	10125	End	10325
GI	none	Score	192
Exons	10125..10325		
Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o5.tw	Method	TBLASTX:Wheat
Start	15068	End	15289
GI	none	Score	41
Exons	15068..15109, 15081..15113, 15085..15114, 15086..15115, 15106..15162, 15116..15163, 15120..15164, 15121..15165, 15142..15285, 15152..15178, 15156..15179, 15157..15192, 15164..15289		
Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o4.tm	Method	TBLASTX:Maize
Start	15467	End	16668
GI	none	Score	99
Exons	15467..15505, 15533..15610, 15540..15611, 16204..16305, 16208..16495, 16209..16475, 16587..16649, 16588..16668		
Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o2.ts	Method	TBLASTX:Soybean
Start	16195	End	16649
GI	none	Score	186
Exons	16195..16473, 16196..16495, 16206..16475, 16587..16646, 16587..16649, 16588..16647		
Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o9.tm	Method	TBLASTX:Maize
Start	17751	End	18177
GI	none	Score	104
Exons	17751..17798, 17791..17961, 17794..17943, 17801..17944, 17981..18115, 18064..18120, 18145..18177, 18145..18177		
Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o8.tm	Method	TBLASTX:Maize
Start	20744	End	21172
GI	none	Score	111
Exons	20744..20821, 20745..20822, 20937..21047, 20938..21048, 20939..21049, 20948..21172, 20949..21170		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o2.tc	Method	TBLASTX:Cress
Start	21018	End	21470
GI	none	Score	419
Exons	21018..21470, 21026..21469		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o7.np	Method	AAT/NAP
Start	23472	End	27353
GI	6069646	Score	3030
Exons	23472..24456, 24738..25528, 26649..26701, 27270..27353		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o5.tm	Method	TBLASTX:Maize
Start	23487	End	24047
GI	none	Score	92
Exons	23487..23690, 23712..24047, 23731..23976		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o4.tw	Method	TBLASTX:Wheat
Start	23598	End	23951
GI	none	Score	76
Exons	23598..23633, 23754..23951, 23758..23922		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o12.tm	Method	TBLASTX:Maize
Start	24075	End	24293
GI	none	Score	203
Exons	24075..24293		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o3.tw	Method	TBLASTX:Wheat
Start	24435	End	24874
GI	none	Score	57
Exons	24435..24563, 24573..24668, 24668..24874, 24690..24869		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o3.tm	Method	TBLASTX:Maize

Start	24514	End	25210
GI	none	Score	100
Exons	24514..24675, 24516..24674, 24657..25022, 24659..25201, 24749..25210, 25042..25206		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o6.tw	Method	TBLASTX:Wheat
Start	25007	End	25276
GI	none	Score	59
Exons	25007..25276, 25008..25103		

Seq. No.	49171	Seq. ID	OJ991113_34.0421.C20
Gene No.	104647	Strand	-
Start	23472	End	27353
Name	OJ991113_34.0421.C20.o7.tm	Method	TBLASTX:Maize
Start	25214	End	25528
GI	none	Score	50
Exons	25214..25282, 25221..25280, 25292..25528, 25335..25526		

Seq. No.	49172	Seq. ID	OJ991113_34.0421.C21
Gene No.	104648	Strand	-
Start	1	End	2027
Name	OJ991113_34.0421.C21.o1.np	Method	AAT/NAP
Start	1	End	2027
GI	6069646	Score	1331
Exons	1..270, 379..612, 1371..1434, 1662..1818, 1863..2027		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49172	Seq. ID	OJ991113_34.0421.C21
Gene No.	104648	Strand	-
Start	1	End	2027
Name	OJ991113_34.0421.C21.o1.gs	Method	GENSCAN
Start	55	End	1818
GI	none	Score	.67
Exons	55..270, 379..612, 1371..1434, 1662..1818		

Seq. No.	49173	Seq. ID	OJ991113_34.0421.C22
Gene No.	104649	Strand	-
Start	1	End	4507
Name	OJ991113_34.0421.C22.o1.np	Method	AAT/NAP
Start	1	End	4507
GI	6069646	Score	1482
Exons	1..27, 1046..1231, 1399..1449, 2274..2448, 3206..3366, 4152..4507		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49173	Seq. ID	OJ991113_34.0421.C22

Gene No.	104649	Strand	-
Start	1	End	4507
Name	OJ991113_34.0421.C22.o1.tm	Method	TBLASTX:Maize
Start	16	End	521
GI	none	Score	153
Exons	16..171, 18..170, 35..172, 173..229, 174..236, 219..323, 219..338, 220..411, 359..424, 365..430, 367..429, 408..467, 432..521, 433..468		

Seq. No.	49173	Seq. ID	OJ991113_34.0421.C22
Gene No.	104649	Strand	-
Start	1	End	4507
Name	OJ991113_34.0421.C22.o1.gs	Method	GENSCAN
Start	417	End	4507
GI	none	Score	.66
Exons	417..475, 1065..1231, 1399..1449, 2274..2448, 3206..3366, 4152..4507		

Seq. No.	49174	Seq. ID	OJ991113_34.0421.C23
Gene No.	104650	Strand	+
Start	548	End	1439
Name	OJ991113_34.0421.C23.o1.gs	Method	GENSCAN
Start	548	End	1439
GI	none	Score	.71
Exons	548..677, 802..959, 1006..1209, 1399..1439		

Seq. No.	49174	Seq. ID	OJ991113_34.0421.C23
Gene No.	104651	Strand	+
Start	1670	End	2655
Name	OJ991113_34.0421.C23.o2.np	Method	AAT/NAP
Start	1670	End	2655
GI	6069647	Score	741
Exons	1670..1738, 2232..2655		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa] gi|6907113|dbj|BAA90640.1| (AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49174	Seq. ID	OJ991113_34.0421.C23
Gene No.	104652	Strand	-
Start	484	End	735
Name	OJ991113_34.0421.C23.o1.np	Method	AAT/NAP
Start	484	End	735
GI	6907103	Score	294
Exons	484..735		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49175	Seq. ID	OJ991113_34.0421.C24
Gene No.	104653	Strand	+
Start	366	End	479
Name	OJ991113_34.0421.C24.o1.gs	Method	GENSCAN
Start	366	End	479
GI	none	Score	.54
Exons	366..479		

Seq. No.	49176	Seq. ID	OJ991113_34.0421.C27
Gene No.	104654	Strand	+
Start	4443	End	5222

Name	OJ991113_34.0421.C27.o1.gp	Method	AAT/GAP
Start	4419	End	4979
GI	2427664	Score	647
Exons	4419..4633, 4733..4795, 4901..4979		
GI Descrip.	6069663/dbj|BAA85439.1| 5.0e-44 (AP000616) ESTs C72127(E1041),AU078646(E1041) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F3D13; similar to Medicago truncatula MtN2 (AF069300) [Oryza sativa]		

Seq. No.	49176	Seq. ID	OJ991113_34.0421.C27
Gene No.	104654	Strand	+
Start	4443	End	5222
Name	OJ991113_34.0421.C27.o2.gs	Method	GENSCAN
Start	4443	End	5202
GI	none	Score	.86
Exons	4443..4633, 4901..5017, 5105..5202		

Seq. No.	49176	Seq. ID	OJ991113_34.0421.C27
Gene No.	104654	Strand	+
Start	4443	End	5222
Name	OJ991113_34.0421.C27.o2.np	Method	AAT/NAP
Start	4443	End	5222
GI	6069663	Score	710
Exons	4443..4633, 4733..4795, 4901..5017, 5105..5222		
GI Descrip.	(AP000616) ESTs C72127(E1041),AU078646(E1041) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F3D13; similar to Medicago truncatula MtN2 (AF069300) [Oryza sativa]		

Seq. No.	49176	Seq. ID	OJ991113_34.0421.C27
Gene No.	104655	Strand	-
Start	859	End	5222
Name	OJ991113_34.0421.C27.o1.np	Method	AAT/NAP
Start	859	End	5222
GI	6069646	Score	469
Exons	859..1287, 5190..5222		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49176	Seq. ID	OJ991113_34.0421.C27
Gene No.	104655	Strand	-
Start	859	End	5222
Name	OJ991113_34.0421.C27.o1.tm	Method	TBLASTX:Maize
Start	4460	End	4937
GI	none	Score	191
Exons	4460..4639, 4464..4634, 4716..4793, 4717..4794, 4731..4805, 4736..4795, 4890..4937, 4896..4937		

Seq. No.	49177	Seq. ID	OJ991113_34.0421.C28
Gene No.	104656	Strand	+
Start	848	End	4524
Name	OJ991113_34.0421.C28.o1.gp	Method	AAT/GAP
Start	848	End	2051
GI	4714612	Score	829

Exons	848..1079, 1169..1231, 1332..1449, 2005..2051		
GI Descrip.	6069664/dbj|BAA85440.1| 4.0e-52 (AP000616) ESTs AU055729(S20023),AU055730(S20023) correspond to a region of the predicted gene.; similar to Medicago nodulin N21-like protein (AC004218) [Oryza sativa]		
Seq. No.	49177	Seq. ID	OJ991113_34.0421.C28
Gene No.	104656	Strand	+
Start	848	End	4524
Name	OJ991113_34.0421.C28.o1.gs	Method	GENSCAN
Start	907	End	4425
GI	none	Score	.43
Exons	907..1079, 1332..1448, 2005..2419, 4019..4170, 4281..4425		
Seq. No.	49177	Seq. ID	OJ991113_34.0421.C28
Gene No.	104656	Strand	+
Start	848	End	4524
Name	OJ991113_34.0421.C28.o1.np	Method	AAT/NAP
Start	907	End	4422
GI	6069664	Score	1614
Exons	907..1079, 1169..1231, 1332..1448, 2005..2419, 4019..4170, 4281..4422		
GI Descrip.	(AP000616) ESTs AU055729(S20023),AU055730(S20023) correspond to a region of the predicted gene.; similar to Medicago nodulin N21-like protein (AC004218) [Oryza sativa]		
Seq. No.	49177	Seq. ID	OJ991113_34.0421.C28
Gene No.	104656	Strand	+
Start	848	End	4524
Name	OJ991113_34.0421.C28.o2.tm	Method	TBLASTX:Maize
Start	910	End	1250
GI	none	Score	200
Exons	910..1110, 910..1083, 1167..1250, 1169..1249		
Seq. No.	49177	Seq. ID	OJ991113_34.0421.C28
Gene No.	104656	Strand	+
Start	848	End	4524
Name	OJ991113_34.0421.C28.o1.tm	Method	TBLASTX:Maize
Start	2174	End	2419
GI	none	Score	359
Exons	2174..2419, 2194..2418		
Seq. No.	49177	Seq. ID	OJ991113_34.0421.C28
Gene No.	104656	Strand	+
Start	848	End	4524
Name	OJ991113_34.0421.C28.o2.gp	Method	AAT/GAP
Start	4273	End	4524
GI	4714613	Score	416
Exons	4273..4524		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		
Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104657	Strand	+
Start	1	End	4031
Name	OJ991113_34.0421.C29.o1.np	Method	AAT/NAP
Start	1	End	4028

GI	6069665	Score	3170
Exons	1..461, 1268..1881, 2083..2235, 2460..2576, 2663..2767, 3121..3185, 3268..3469, 3717..3860, 3903..4028		
GI Descrip.	(AP000616) EST D15969(C1695) corresponds to a region of the predicted gene.; similar to valosin-containing protein (U20213) [Oryza sativa]		

Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104657	Strand	+
Start	1	End	4031
Name	OJ991113_34.0421.C29.o1.gs	Method	GENSCAN
Start	41	End	4031
GI	none	Score	.97
Exons	41..461, 1268..1881, 2083..2235, 2460..2576, 2663..2767, 3121..3185, 3268..3469, 3593..3610, 3717..3860, 3903..4031		

Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104657	Strand	+
Start	1	End	4031
Name	OJ991113_34.0421.C29.o1.gp	Method	AAT/GAP
Start	3108	End	3801
GI	287164	Score	657
Exons	3108..3185, 3268..3469, 3717..3801		
GI Descrip.	6069665/dbj|BAA85441.1| 1.0e-44 (AP000616) EST D15969(C1695) corresponds to a region of the predicted gene.; similar to valosin-containing protein (U20213) [Oryza sativa]		

Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o1.ts	Method	TBLASTX:Soybean
Start	226	End	3433
GI	none	Score	172
Exons	226..405, 227..451, 230..463, 235..462, 1261..1428, 1267..1368, 1321..1428, 1482..1601, 1486..1764, 1500..1601, 1501..1767, 1510..1683, 2104..2235, 2451..2573, 2454..2576, 2465..2584, 2483..2566, 2630..2767, 2651..2770, 2651..2764, 2654..2770, 2656..2769, 3115..3186, 3115..3186, 3266..3424, 3266..3418, 3266..3433, 3271..3420		

Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o2.tc	Method	TBLASTX:Cress
Start	227	End	3424
GI	none	Score	173
Exons	227..451, 230..463, 235..462, 235..405, 1261..1428, 1267..1368, 1482..1601, 1486..1764, 1500..1601, 1501..1767, 2101..2172, 2104..2235, 2451..2573, 2454..2576, 2483..2587, 2483..2584, 2651..2770, 2654..2770, 2656..2769, 2662..2766, 2984..3028, 3115..3186, 3115..3186, 3266..3424, 3266..3424, 3271..3420		

Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o2.tw	Method	TBLASTX:Wheat
Start	227	End	3186

GI	none	Score	67
Exons	227..334, 1486..1764, 1498..1581, 1500..1601, 2080..2229, 3115..3186		

Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o3.tw	Method	TBLASTX:Wheat
Start	340	End	2770
GI	none	Score	107
Exons	340..447, 341..451, 1267..1368, 2483..2602, 2484..2576, 2597..2767, 2662..2769, 2663..2770		

Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o1.tm	Method	TBLASTX:Maize
Start	377	End	2770
GI	none	Score	132
Exons	377..463, 391..474, 1257..1721, 1261..1869, 1266..1607, 1273..1869, 2666..2770		

Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o3.tm	Method	TBLASTX:Maize
Start	2528	End	4037
GI	none	Score	81
Exons	2528..2587, 2529..2576, 2957..3028, 2957..3034, 2959..3036, 3111..3185, 3115..3186, 3120..3185, 3265..3474, 3266..3475, 3715..3858, 3720..3860, 3721..3858, 3771..3860, 3776..3868, 3974..4030, 3975..4037, 3979..4035		

Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o2.gp	Method	AAT/GAP
Start	4208	End	4505
GI	5038888	Score	505
Exons	4208..4505		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-132 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o2.gs	Method	GENSCAN
Start	4328	End	5239
GI	none	Score	.93
Exons	4328..5239		

Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o2.np	Method	AAT/NAP
Start	4331	End	5239
GI	6069666	Score	1519

Exons	4331..5239		
GI Descrip.	(AP000616) ESTs AU070998(R10588),D46106(S10554) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana chromosome II BAC T6A23; unknown protein (AC005499) [Oryza sativa]		
Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o1.tw	Method	TBLASTX:Wheat
Start	4383	End	4753
GI	none	Score	117
Exons	4383..4418, 4397..4603, 4484..4639, 4610..4678, 4619..4753, 4629..4709		
Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o1.tc	Method	TBLASTX:Cress
Start	4523	End	5056
GI	none	Score	86
Exons	4523..4633, 4619..4816, 4850..5056, 4851..5012		
Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o2.ts	Method	TBLASTX:Soybean
Start	4583	End	5056
GI	none	Score	63
Exons	4583..4633, 4631..4816, 4644..4709, 4853..5056, 4854..5012		
Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o2.tm	Method	TBLASTX:Maize
Start	4659	End	5053
GI	none	Score	67
Exons	4659..4709, 4661..4732, 4712..5053, 4842..5015		
Seq. No.	49178	Seq. ID	OJ991113_34.0421.C29
Gene No.	104658	Strand	-
Start	4328	End	5239
Name	OJ991113_34.0421.C29.o3.gp	Method	AAT/GAP
Start	4918	End	5103
GI	699815	Score	360
Exons	4918..5103		
GI Descrip.	6069666/dbj|BAA85442.1| 5.0e-21 (AP000616) ESTs AU070998(R10588),D46106(S10554) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana chromosome II BAC T6A23; unknown protein (AC005499) [Oryza sativa]		
Seq. No.	49179	Seq. ID	OJ991113_34.0421.C30
Gene No.	104659	Strand	+
Start	661	End	3663
Name	OJ991113_34.0421.C30.o1.np	Method	AAT/NAP
Start	661	End	3663
GI	6069667	Score	1246

Exons	661..809, 1308..1415, 1775..1884, 2813..2993, 3053..3273, 3626..3663		
GI Descrip.	(AP000616) similar to UMP/CMP kinase (AF000147) [Oryza sativa]		
Seq. No.	49180	Seq. ID	OJ991113_34.0421.C34
Gene No.	104660	Strand	+
Start	1	End	633
Name	OJ991113_34.0421.C34.o1.np	Method	AAT/NAP
Start	1	End	633
GI	6069663	Score	191
Exons	1..116, 466..633		
GI Descrip.	(AP000616) ESTs C72127(E1041),AU078646(E1041) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F3D13; similar to Medicago truncatula MtN2 (AF069300) [Oryza sativa]		
Seq. No.	49180	Seq. ID	OJ991113_34.0421.C34
Gene No.	104660	Strand	+
Start	1	End	633
Name	OJ991113_34.0421.C34.o1.gp	Method	AAT/GAP
Start	483	End	633
GI	6012829	Score	259
Exons	483..633		
GI Descrip.	6069663/dbj|BAA85439.1| 8.0e-70 (AP000616) ESTs C72127(E1041),AU078646(E1041) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F3D13; similar to Medicago truncatula MtN2 (AF069300) [Oryza sativa]		
Seq. No.	49181	Seq. ID	OJ991113_32.0421.C1
Gene No.	104661	Strand	+
Start	65	End	440
Name	OJ991113_32.0421.C1.o1.gs	Method	GENSCAN
Start	65	End	440
GI	none	Score	.58
Exons	65..293, 314..440		
Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104662	Strand	+
Start	1	End	1385
Name	OJ991113_32.0421.C2.o1.np	Method	AAT/NAP
Start	1	End	1385
GI	5295971	Score	1114
Exons	1..1385		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104662	Strand	+
Start	1	End	1385
Name	OJ991113_32.0421.C2.o1.gs	Method	GENSCAN
Start	350	End	1385
GI	none	Score	.92
Exons	350..459, 535..1385		
Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104663	Strand	+

Start	11474	End	14233
Name	OJ991113_32.0421.C2.o4.gs	Method	GENSCAN
Start	11474	End	14233
GI	none	Score	.69
Exons	11474..11519, 12471..12597, 12979..13112, 13271..13335, 13356..13470, 13752..14233		

Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104664	Strand	+
Start	15234	End	15400
Name	OJ991113_32.0421.C2.o5.gs	Method	GENSCAN
Start	15234	End	15400
GI	none	Score	.69
Exons	15234..15400		

Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104665	Strand	-
Start	2580	End	5396
Name	OJ991113_32.0421.C2.o2.gs	Method	GENSCAN
Start	2580	End	5396
GI	none	Score	.59
Exons	2580..2801, 5052..5219, 5301..5396		

Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104666	Strand	-
Start	8636	End	11925
Name	OJ991113_32.0421.C2.o2.np	Method	AAT/NAP
Start	8636	End	11925
GI	6498436	Score	146
Exons	8636..8754, 9006..9155, 9183..9258, 11851..11925		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104666	Strand	-
Start	8636	End	11925
Name	OJ991113_32.0421.C2.o1.gp	Method	AAT/GAP
Start	9679	End	9768
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	9679..9768		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104667	Strand	-
Start	13281	End	15468
Name	OJ991113_32.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	395	End	818
GI	none	Score	418
Exons	395..691, 396..818, 516..782, 740..814		

Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104667	Strand	-
Start	13281	End	15468
Name	OJ991113_32.0421.C2.o1.ts	Method	TBLASTX:Soybean
Start	477	End	866
GI	none	Score	277

Exons	477..866		
Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104667	Strand	-
Start	13281	End	15468
Name	OJ991113_32.0421.C2.o1.tw	Method	TBLASTX:Wheat
Start	510	End	947
GI	none	Score	103
Exons	510..659, 684..836, 894..947		
Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104667	Strand	-
Start	13281	End	15468
Name	OJ991113_32.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	675	End	1352
GI	none	Score	150
Exons	675..878, 894..983, 969..1028, 1101..1352, 1157..1351		
Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104667	Strand	-
Start	13281	End	15468
Name	OJ991113_32.0421.C2.o2.ts	Method	TBLASTX:Soybean
Start	894	End	1361
GI	none	Score	115
Exons	894..1031, 947..1015, 999..1361, 1013..1045, 1172..1306		
Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104667	Strand	-
Start	13281	End	15468
Name	OJ991113_32.0421.C2.o2.tm	Method	TBLASTX:Maize
Start	999	End	1349
GI	none	Score	287
Exons	999..1349, 1014..1304		
Seq. No.	49182	Seq. ID	OJ991113_32.0421.C2
Gene No.	104667	Strand	-
Start	13281	End	15468
Name	OJ991113_32.0421.C2.o3.np	Method	AAT/NAP
Start	13281	End	15468
GI	1084362	Score	96
Exons	13281..13476, 14886..14968, 15184..15468		
GI Descrip.	extensin-like protein S3 - alfalfa gi|535586 (L36120) proline rich protein [Medicago sativa]		
Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104668	Strand	+
Start	29	End	535
Name	OJ991113_32.0421.C3.o1.gs	Method	GENSCAN
Start	29	End	535
GI	none	Score	.56
Exons	29..264, 532..535		
Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104669	Strand	+
Start	1617	End	3188
Name	OJ991113_32.0421.C3.o2.gs	Method	GENSCAN
Start	1617	End	3188

GI	none	Score	.97
Exons	1617..3188		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104669	Strand	+
Start	1617	End	3188
Name	OJ991113_32.0421.C3.o1.np	Method	AAT/NAP
Start	1647	End	3158
GI	7486760	Score	788
Exons	1647..2618, 2649..3158		
GI Descrip.	hypothetical protein F9N11.100 - Arabidopsis thaliana gi|5730135|emb|CAB52469.1| (AL109796) putative protein [Arabidopsis thaliana] gi|7269925|emb|CAB81018.1| (AL161576) putative protein [Arabidopsis thaliana]		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104670	Strand	+
Start	6690	End	7920
Name	OJ991113_32.0421.C3.o3.gs	Method	GENSCAN
Start	6690	End	7920
GI	none	Score	.4
Exons	6690..6837, 7074..7479, 7602..7728, 7747..7920		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104671	Strand	-
Start	3100	End	3514
Name	OJ991113_32.0421.C3.o1.gp	Method	AAT/GAP
Start	3100	End	3514
GI	LIB3431-043-P1-N1-H5	Score	806
Exons	3100..3514		
GI Descrip.	'3218542/dbj|AB004813|AB004813 1.0e-10 Oryza sativa AOX1b and AOX1a genes, complete cds'		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104672	Strand	-
Start	8067	End	12441
Name	OJ991113_32.0421.C3.o1.ts	Method	TBLASTX:Soybean
Start	1632	End	2855
GI	none	Score	246
Exons	1632..2003, 1971..2060, 2142..2174, 2190..2594, 2210..2566, 2604..2855, 2690..2851		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104672	Strand	-
Start	8067	End	12441
Name	OJ991113_32.0421.C3.o3.tm	Method	TBLASTX:Maize
Start	1725	End	1988
GI	none	Score	308
Exons	1725..1988, 1742..1831		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104672	Strand	-
Start	8067	End	12441
Name	OJ991113_32.0421.C3.o2.tm	Method	TBLASTX:Maize
Start	2121	End	2789
GI	none	Score	110
Exons	2121..2195, 2195..2560, 2196..2564, 2610..2657, 2646..2705,		

2652..2702, 2699..2788, 2700..2789

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104672	Strand	-
Start	8067	End	12441
Name	OJ991113_32.0421.C3.o1.tc	Method	TBLASTX:Cress
Start	2613	End	2951
GI	none	Score	337
Exons	2613..2951, 2690..2860		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104672	Strand	-
Start	8067	End	12441
Name	OJ991113_32.0421.C3.o1.tw	Method	TBLASTX:Wheat
Start	2664	End	2882
GI	none	Score	278
Exons	2664..2882, 2696..2857		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104672	Strand	-
Start	8067	End	12441
Name	OJ991113_32.0421.C3.o4.tm	Method	TBLASTX:Maize
Start	2790	End	3035
GI	none	Score	284
Exons	2790..3035, 2790..3023		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104672	Strand	-
Start	8067	End	12441
Name	OJ991113_32.0421.C3.o2.np	Method	AAT/NAP
Start	8067	End	11420
GI	5263319	Score	591
Exons	8067..8133, 8350..8466, 8497..8653, 8718..9352, 9385..10349, 10389..10615, 11380..11420		
GI Descrip.	(AC007727) ESTs gb|N96028, gb|F14286, gb|T20680, gb|F14443, gb|AA657300 and gb|N65244 come from this gene. [Arabidopsis thaliana]		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104672	Strand	-
Start	8067	End	12441
Name	OJ991113_32.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	8244	End	9509
GI	none	Score	57
Exons	8244..8294, 8244..8294, 8245..8295, 8298..8423, 8299..8412, 8385..8492, 8386..8508, 8496..8702, 8499..8528, 8503..8682, 8610..8699, 8703..8780, 8704..8784, 8787..8828, 8806..8829, 8841..8894, 8881..8961, 8919..8957, 8926..8961, 8967..9047, 8971..9030, 8971..9048, 9081..9266, 9082..9264, 9189..9299, 9218..9298, 9264..9317, 9266..9343, 9266..9343, 9346..9489, 9430..9498, 9434..9508, 9435..9509		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104672	Strand	-
Start	8067	End	12441
Name	OJ991113_32.0421.C3.o2.ts	Method	TBLASTX:Soybean
Start	9809	End	10127

GI	none	Score	67
Exons	9809..9838, 9884..10126, 9945..10127		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104672	Strand	-
Start	8067	End	12441
Name	OJ991113_32.0421.C3.o5.tm	Method	TBLASTX:Maize
Start	10295	End	10576
GI	none	Score	69
Exons	10295..10375, 10296..10370, 10391..10489, 10401..10490, 10484..10576, 10490..10576		

Seq. No.	49183	Seq. ID	OJ991113_32.0421.C3
Gene No.	104672	Strand	-
Start	8067	End	12441
Name	OJ991113_32.0421.C3.o3.np	Method	AAT/NAP
Start	10415	End	12441
GI	7523517	Score	221
Exons	10415..10532, 10676..10718, 11978..12008, 12113..12441		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104673	Strand	+
Start	48	End	2086
Name	OJ991113_32.0421.C4.o1.gs	Method	GENSCAN
Start	48	End	2086
GI	none	Score	.54
Exons	48..174, 394..709, 808..1073, 1403..1549, 1845..2086		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104674	Strand	+
Start	4324	End	6902
Name	OJ991113_32.0421.C4.o1.gp	Method	AAT/GAP
Start	4324	End	4703
GI	2427387	Score	489
Exons	4324..4703		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104674	Strand	+
Start	4324	End	6902
Name	OJ991113_32.0421.C4.o3.gs	Method	GENSCAN
Start	4552	End	6902
GI	none	Score	.94
Exons	4552..4554, 6102..6902		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104675	Strand	+
Start	6844	End	11528
Name	OJ991113_32.0421.C4.o1.np	Method	AAT/NAP
Start	6844	End	11525
GI	4680179	Score	5613
Exons	6844..6890, 7151..11525		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4

Gene No.	104675	Strand	+
Start	6844	End	11528
Name	OJ991113_32.0421.C4.o4.gs	Method	GENSCAN
Start	7168	End	11528
GI	none	Score	.44
Exons	7168..8959, 8980..8996, 9054..11528		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104676	Strand	-
Start	2867	End	3739
Name	OJ991113_32.0421.C4.o2.gs	Method	GENSCAN
Start	2867	End	3739
GI	none	Score	.96
Exons	2867..3739		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104677	Strand	
Start	7315	End	7509
Name	OJ991113_32.0421.C4.o9.tw	Method	TBLASTX:Wheat
Start	7315	End	7509
GI	none	Score	205
Exons	7315..7509, 7329..7508		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104678	Strand	
Start	7558	End	7911
Name	OJ991113_32.0421.C4.o7.tw	Method	TBLASTX:Wheat
Start	7558	End	7911
GI	none	Score	312
Exons	7558..7806, 7561..7911		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104678	Strand	
Start	7558	End	7911
Name	OJ991113_32.0421.C4.o6.tm	Method	TBLASTX:Maize
Start	7561	End	7899
GI	none	Score	245
Exons	7561..7899		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104679	Strand	
Start	8203	End	8556
Name	OJ991113_32.0421.C4.o8.tw	Method	TBLASTX:Wheat
Start	8203	End	8556
GI	none	Score	245
Exons	8203..8556		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104680	Strand	
Start	8688	End	9557
Name	OJ991113_32.0421.C4.o4.tw	Method	TBLASTX:Wheat
Start	8688	End	9170
GI	none	Score	437
Exons	8688..9068, 8689..9060, 8763..9068, 9068..9097, 9068..9127, 9072..9170		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4

Gene No.	104680	Strand	
Start	8688	End	9557
Name	OJ991113_32.0421.C4.o5.tm	Method	TBLASTX:Maize
Start	8698	End	8990
GI	none	Score	332
Exons	8698..8988, 8748..8990		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104680	Strand	
Start	8688	End	9557
Name	OJ991113_32.0421.C4.o3.ts	Method	TBLASTX:Soybean
Start	8725	End	9039
GI	none	Score	198
Exons	8725..9039		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104680	Strand	
Start	8688	End	9557
Name	OJ991113_32.0421.C4.o4.tm	Method	TBLASTX:Maize
Start	9068	End	9557
GI	none	Score	106
Exons	9068..9190, 9075..9194, 9249..9557, 9308..9436		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104680	Strand	
Start	8688	End	9557
Name	OJ991113_32.0421.C4.o1.ts	Method	TBLASTX:Soybean
Start	9111	End	9506
GI	none	Score	53
Exons	9111..9143, 9111..9143, 9147..9506, 9149..9190, 9263..9496		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104680	Strand	
Start	8688	End	9557
Name	OJ991113_32.0421.C4.o5.tw	Method	TBLASTX:Wheat
Start	9249	End	9521
GI	none	Score	382
Exons	9249..9521, 9260..9520		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104681	Strand	
Start	9522	End	9947
Name	OJ991113_32.0421.C4.o3.tw	Method	TBLASTX:Wheat
Start	9522	End	9947
GI	none	Score	593
Exons	9522..9947, 9524..9940		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104681	Strand	
Start	9522	End	9947
Name	OJ991113_32.0421.C4.o4.ts	Method	TBLASTX:Soybean
Start	9531	End	9776
GI	none	Score	198
Exons	9531..9776		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104681	Strand	

Start	9522	End	9947
Name	OJ991113_32.0421.C4.o2.tm	Method	TBLASTX:Maize
Start	9594	End	9947
GI	none	Score	460
Exons	9594..9947, 9599..9940		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104682	Strand	
Start	9975	End	11480
Name	OJ991113_32.0421.C4.o2.tw	Method	TBLASTX:Wheat
Start	9975	End	10514
GI	none	Score	621
Exons	9975..10514, 10157..10510		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104682	Strand	
Start	9975	End	11480
Name	OJ991113_32.0421.C4.o1.tc	Method	TBLASTX:Cress
Start	10212	End	10538
GI	none	Score	88
Exons	10212..10394, 10395..10538, 10397..10537		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104682	Strand	
Start	9975	End	11480
Name	OJ991113_32.0421.C4.o2.ts	Method	TBLASTX:Soybean
Start	10302	End	10562
GI	none	Score	300
Exons	10302..10562, 10313..10561		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104682	Strand	
Start	9975	End	11480
Name	OJ991113_32.0421.C4.o3.tm	Method	TBLASTX:Maize
Start	10360	End	10652
GI	none	Score	403
Exons	10360..10647, 10361..10648, 10362..10652		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104682	Strand	
Start	9975	End	11480
Name	OJ991113_32.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	10521	End	11147
GI	none	Score	719
Exons	10521..11147, 10524..10868, 10577..11146		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104682	Strand	
Start	9975	End	11480
Name	OJ991113_32.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	10700	End	11285
GI	none	Score	229
Exons	10700..10855, 10701..10862, 10715..10864, 10859..11284, 10860..11285		

Seq. No.	49184	Seq. ID	OJ991113_32.0421.C4
Gene No.	104682	Strand	

Start	9975	End	11480
Name	OJ991113_32.0421.C4.o6.tw	Method	TBLASTX:Wheat
Start	11147	End	11480
GI	none	Score	315
Exons	11147..11428, 11148..11480, 11298..11459		

Seq. No.	49185	Seq. ID	OJ991113_32.0421.C5
Gene No.	104683	Strand	+
Start	744	End	1242
Name	OJ991113_32.0421.C5.o1.gs	Method	GENSCAN
Start	744	End	1242
GI	none	Score	.45
Exons	744..1081, 1176..1242		

Seq. No.	49186	Seq. ID	OJ991113_32.0421.C6
Gene No.	104684	Strand	+
Start	4105	End	4917
Name	OJ991113_32.0421.C6.o2.gs	Method	GENSCAN
Start	4105	End	4917
GI	none	Score	.59
Exons	4105..4146, 4414..4468, 4826..4917		

Seq. No.	49186	Seq. ID	OJ991113_32.0421.C6
Gene No.	104685	Strand	+
Start	7693	End	9493
Name	OJ991113_32.0421.C6.o3.gs	Method	GENSCAN
Start	7693	End	9493
GI	none	Score	1
Exons	7693..7744, 7868..8418, 8522..9493		

Seq. No.	49186	Seq. ID	OJ991113_32.0421.C6
Gene No.	104686	Strand	-
Start	488	End	2122
Name	OJ991113_32.0421.C6.o1.gs	Method	GENSCAN
Start	488	End	2122
GI	none	Score	.49
Exons	488..666, 1071..1127, 2081..2122		

Seq. No.	49186	Seq. ID	OJ991113_32.0421.C6
Gene No.	104687	Strand	
Start	7927	End	8910
Name	OJ991113_32.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	7927	End	8910
GI	none	Score	252
Exons	7927..8394, 7950..8321, 8041..8325, 8359..8421, 8527..8676, 8528..8695, 8779..8910		

Seq. No.	49186	Seq. ID	OJ991113_32.0421.C6
Gene No.	104687	Strand	
Start	7927	End	8910
Name	OJ991113_32.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	7987	End	8264
GI	none	Score	194
Exons	7987..8232, 7998..8264		

Seq. No.	49186	Seq. ID	OJ991113_32.0421.C6
Gene No.	104688	Strand	

Start	8971	End	9310
Name	OJ991113_32.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	8971	End	9310
GI	none	Score	103
Exons	8971..9096, 8972..9103, 9011..9109, 9110..9298, 9116..9310		

Seq. No.	49187	Seq. ID	OJ991113_32.0421.C7
Gene No.	104689	Strand	+
Start	1199	End	4967
Name	OJ991113_32.0421.C7.o1.gs	Method	GENSCAN
Start	1199	End	3620
GI	none	Score	.69
Exons	1199..1502, 2338..2397, 2866..3620		

Seq. No.	49187	Seq. ID	OJ991113_32.0421.C7
Gene No.	104689	Strand	+
Start	1199	End	4967
Name	OJ991113_32.0421.C7.o1.np	Method	AAT/NAP
Start	1233	End	4967
GI	6539581	Score	1186
Exons	1233..1720, 1757..1845, 1950..3480, 4942..4967		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	49187	Seq. ID	OJ991113_32.0421.C7
Gene No.	104690	Strand	-
Start	4271	End	10394
Name	OJ991113_32.0421.C7.o2.tm	Method	TBLASTX:Maize
Start	1944	End	2162
GI	none	Score	196
Exons	1944..2162, 1946..2077		

Seq. No.	49187	Seq. ID	OJ991113_32.0421.C7
Gene No.	104690	Strand	-
Start	4271	End	10394
Name	OJ991113_32.0421.C7.o2.tw	Method	TBLASTX:Wheat
Start	2016	End	2333
GI	none	Score	201
Exons	2016..2333, 2147..2332		

Seq. No.	49187	Seq. ID	OJ991113_32.0421.C7
Gene No.	104690	Strand	-
Start	4271	End	10394
Name	OJ991113_32.0421.C7.o1.tc	Method	TBLASTX:Cress
Start	2160	End	2483
GI	none	Score	224
Exons	2160..2483, 2168..2473		

Seq. No.	49187	Seq. ID	OJ991113_32.0421.C7
Gene No.	104690	Strand	-
Start	4271	End	10394
Name	OJ991113_32.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	2166	End	2549
GI	none	Score	332
Exons	2166..2549, 2267..2542		

Seq. No.	49187	Seq. ID	OJ991113_32.0421.C7

Gene No.	104690	Strand	-
Start	4271	End	10394
Name	OJ991113_32.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	2225	End	2810
GI	none	Score	299
Exons	2225..2515, 2226..2588, 2613..2810		

Seq. No.	49187	Seq. ID	OJ991113_32.0421.C7
Gene No.	104690	Strand	-
Start	4271	End	10394
Name	OJ991113_32.0421.C7.o1.tw	Method	TBLASTX:Wheat
Start	2399	End	2813
GI	none	Score	170
Exons	2399..2560, 2400..2585, 2613..2813		

Seq. No.	49187	Seq. ID	OJ991113_32.0421.C7
Gene No.	104690	Strand	-
Start	4271	End	10394
Name	OJ991113_32.0421.C7.o2.np	Method	AAT/NAP
Start	4271	End	10394
GI	5852180	Score	326
Exons	4271..4645, 5694..5781, 10345..10394		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	49187	Seq. ID	OJ991113_32.0421.C7
Gene No.	104690	Strand	-
Start	4271	End	10394
Name	OJ991113_32.0421.C7.o1.gp	Method	AAT/GAP
Start	6043	End	6268
GI	uC-osroM202024h08a1	Score	325
Exons	6043..6268		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49188	Seq. ID	OJ991113_32.0421.C8
Gene No.	104691	Strand	-
Start	192	End	311
Name	OJ991113_32.0421.C8.o1.gs	Method	GENSCAN
Start	192	End	311
GI	none	Score	.7
Exons	192..311		

Seq. No.	49188	Seq. ID	OJ991113_32.0421.C8
Gene No.	104692	Strand	-
Start	1378	End	4608
Name	OJ991113_32.0421.C8.o2.gs	Method	GENSCAN
Start	1378	End	4493
GI	none	Score	.65
Exons	1378..1512, 1599..1694, 1830..2002, 2975..3329, 3465..3599, 3681..3824, 3919..4493		

Seq. No.	49188	Seq. ID	OJ991113_32.0421.C8
Gene No.	104692	Strand	-
Start	1378	End	4608
Name	OJ991113_32.0421.C8.o1.np	Method	AAT/NAP
Start	3683	End	4608
GI	6539580	Score	384

Exons	3683..3824, 3919..4608		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104693	Strand	+
Start	1914	End	4564
Name	OJ991113_32.0421.C9.o1.gs	Method	GENSCAN
Start	1914	End	4564
GI	none	Score	.57
Exons	1914..1942, 3437..3484, 4156..4234, 4318..4443, 4445..4564		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104694	Strand	+
Start	6243	End	12042
Name	OJ991113_32.0421.C9.o1.np	Method	AAT/NAP
Start	6243	End	10187
GI	5902444	Score	4446
Exons	6243..8885, 10135..10187		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104694	Strand	+
Start	6243	End	12042
Name	OJ991113_32.0421.C9.o3.gs	Method	GENSCAN
Start	6243	End	8972
GI	none	Score	1
Exons	6243..8972		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104694	Strand	+
Start	6243	End	12042
Name	OJ991113_32.0421.C9.o2.np	Method	AAT/NAP
Start	9916	End	12042
GI	7339719	Score	150
Exons	9916..9971, 11837..12042		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104695	Strand	+
Start	17574	End	18336
Name	OJ991113_32.0421.C9.o3.np	Method	AAT/NAP
Start	17574	End	18336
GI	121627	Score	187
Exons	17574..18336		
GI Descrip.	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 1 PRECURSOR gi|82244|pir||A26099 glycine-rich cell wall structural protein - garden petunia gi|20553|emb|CAA27866| (X04335) precursor polypeptide (aa -27 to 357) [Petunia x hybrida] gi|225181|prf||1210313A Gly rich structural protein [Petunia sp.]		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104696	Strand	-
Start	4818	End	5663
Name	OJ991113_32.0421.C9.o2.gs	Method	GENSCAN
Start	4818	End	5663
GI	none	Score	.75

Exons	4818..5663		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104697	Strand	-
Start	9177	End	16882
Name	OJ991113_32.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	4851	End	5759
GI	none	Score	62
Exons	4851..4961, 4858..4962, 5049..5267, 5080..5247, 5271..5426, 5637..5759		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104697	Strand	-
Start	9177	End	16882
Name	OJ991113_32.0421.C9.o1.tc	Method	TBLASTX:Cress
Start	5049	End	5426
GI	none	Score	130
Exons	5049..5267, 5053..5247, 5271..5426		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104697	Strand	-
Start	9177	End	16882
Name	OJ991113_32.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	5058	End	5426
GI	none	Score	104
Exons	5058..5267, 5080..5247, 5271..5426		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104697	Strand	-
Start	9177	End	16882
Name	OJ991113_32.0421.C9.o4.tw	Method	TBLASTX:Wheat
Start	5079	End	5264
GI	none	Score	139
Exons	5079..5264, 5080..5250		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104697	Strand	-
Start	9177	End	16882
Name	OJ991113_32.0421.C9.o3.tw	Method	TBLASTX:Wheat
Start	5299	End	5712
GI	none	Score	151
Exons	5299..5442, 5301..5423, 5482..5592, 5484..5609, 5649..5711, 5650..5712		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104697	Strand	-
Start	9177	End	16882
Name	OJ991113_32.0421.C9.o2.tw	Method	TBLASTX:Wheat
Start	7544	End	7946
GI	none	Score	285
Exons	7544..7813, 7545..7946		
Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104697	Strand	-
Start	9177	End	16882
Name	OJ991113_32.0421.C9.o1.tw	Method	TBLASTX:Wheat
Start	8574	End	8885

GI	none	Score	311
Exons	8574..8885, 8574..8732, 8621..8884		

Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104697	Strand	-
Start	9177	End	16882
Name	OJ991113_32.0421.C9.o5.tw	Method	TBLASTX:Wheat
Start	9070	End	9313
GI	none	Score	95
Exons	9070..9312, 9083..9313		

Seq. No.	49189	Seq. ID	OJ991113_32.0421.C9
Gene No.	104697	Strand	-
Start	9177	End	16882
Name	OJ991113_32.0421.C9.o4.gs	Method	GENSCAN
Start	9177	End	16882
GI	none	Score	.83
Exons	9177..9205, 9312..9480, 10327..10440, 12264..12434, 12624..12762, 12870..12964, 14535..14642, 14938..14964, 16279..16560, 16880..16882		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104698	Strand	+
Start	53	End	5211
Name	OJ991113_32.0421.C10.o1.gs	Method	GENSCAN
Start	53	End	5211
GI	none	Score	.54
Exons	53..314, 381..1166, 1902..2453, 2782..3033, 3228..3346, 5083..5211		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104699	Strand	-
Start	6121	End	6235
Name	OJ991113_32.0421.C10.o4.tm	Method	TBLASTX:Maize
Start	392	End	714
GI	none	Score	56
Exons	392..424, 457..714, 500..712		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104699	Strand	-
Start	6121	End	6235
Name	OJ991113_32.0421.C10.o4.tw	Method	TBLASTX:Wheat
Start	1867	End	2226
GI	none	Score	108
Exons	1867..1998, 1871..2017, 1997..2221, 2012..2200, 2140..2226		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104699	Strand	-
Start	6121	End	6235
Name	OJ991113_32.0421.C10.o3.tm	Method	TBLASTX:Maize
Start	2222	End	2993
GI	none	Score	52
Exons	2222..2287, 2279..2473, 2293..2472, 2463..2774, 2588..2704, 2748..2939, 2759..2824, 2811..2939, 2895..2993, 2933..2992		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104699	Strand	-

Start	6121	End	6235
Name	OJ991113_32.0421.C10.o2.tw	Method	TBLASTX:Wheat
Start	2463	End	2855
GI	none	Score	319
Exons	2463..2855, 2504..2803, 2583..2855		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104699	Strand	-
Start	6121	End	6235
Name	OJ991113_32.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	3132	End	4071
GI	none	Score	65
Exons	3132..3224, 3236..3490, 3236..3475, 3383..3757, 3480..3785, 3618..3785, 3732..4013, 3745..4071		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104699	Strand	-
Start	6121	End	6235
Name	OJ991113_32.0421.C10.o5.tw	Method	TBLASTX:Wheat
Start	3223	End	3521
GI	none	Score	241
Exons	3223..3459, 3233..3463, 3239..3466, 3468..3521		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104699	Strand	-
Start	6121	End	6235
Name	OJ991113_32.0421.C10.o1.ts	Method	TBLASTX:Soybean
Start	3702	End	4230
GI	none	Score	57
Exons	3702..3758, 3819..3860, 3829..4056, 3912..4028, 4045..4230		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104699	Strand	-
Start	6121	End	6235
Name	OJ991113_32.0421.C10.o3.tw	Method	TBLASTX:Wheat
Start	3853	End	4404
GI	none	Score	244
Exons	3853..4227, 4306..4404		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104699	Strand	-
Start	6121	End	6235
Name	OJ991113_32.0421.C10.o2.tm	Method	TBLASTX:Maize
Start	4302	End	4773
GI	none	Score	309
Exons	4302..4490, 4303..4674, 4304..4519, 4687..4773, 4692..4769		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104699	Strand	-
Start	6121	End	6235
Name	OJ991113_32.0421.C10.o1.tw	Method	TBLASTX:Wheat
Start	4498	End	4866
GI	none	Score	343
Exons	4498..4866, 4635..4865		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104699	Strand	-

Start	6121	End	6235
Name	OJ991113_32.0421.C10.o5.tm	Method	TBLASTX:Maize
Start	4945	End	5235
GI	none	Score	173
Exons	4945..5142, 5137..5235		

Seq. No.	49190	Seq. ID	OJ991113_32.0421.C10
Gene No.	104699	Strand	-
Start	6121	End	6235
Name	OJ991113_32.0421.C10.o2.gs	Method	GENSCAN
Start	6121	End	6235
GI	none	Score	.6
Exons	6121..6235		

Seq. No.	49191	Seq. ID	OJ991203_19.0421.C1
Gene No.	104700	Strand	-
Start	714	End	1225
Name	OJ991203_19.0421.C1.o1.gs	Method	GENSCAN
Start	714	End	1220
GI	none	Score	.79
Exons	714..815, 964..1220		

Seq. No.	49191	Seq. ID	OJ991203_19.0421.C1
Gene No.	104700	Strand	-
Start	714	End	1225
Name	OJ991203_19.0421.C1.o1.np	Method	AAT/NAP
Start	964	End	1225
GI	3928787	Score	201
Exons	964..1225		
GI Descrip.	(AF059284) factor B SpBf [Strongylocentrotus purpuratus]		

Seq. No.	49192	Seq. ID	OJ991203_19.0421.C2
Gene No.	104701	Strand	-
Start	1	End	13050
Name	OJ991203_19.0421.C2.o1.np	Method	AAT/NAP
Start	1	End	8283
GI	3928787	Score	1531
Exons	1..37, 515..704, 4844..5056, 5332..5446, 6159..6241, 7253..7462, 8076..8283		
GI Descrip.	(AF059284) factor B SpBf [Strongylocentrotus purpuratus]		

Seq. No.	49192	Seq. ID	OJ991203_19.0421.C2
Gene No.	104701	Strand	-
Start	1	End	13050
Name	OJ991203_19.0421.C2.o1.gs	Method	GENSCAN
Start	487	End	13050
GI	none	Score	.72
Exons	487..704, 1545..1650, 3504..3621, 4907..5009, 5332..5446, 6159..6241, 7253..7462, 8076..8258, 11170..11367, 12993..13050		

Seq. No.	49193	Seq. ID	OJ991203_19.0421.C3
Gene No.	104702	Strand	+
Start	1868	End	5968
Name	OJ991203_19.0421.C3.o1.gs	Method	GENSCAN
Start	1868	End	5968
GI	none	Score	.51
Exons	1868..1956, 2070..2201, 3238..3303, 5902..5968		

Seq. No.	49193	Seq. ID	OJ991203_19.0421.C3
Gene No.	104703	Strand	+
Start	6548	End	15055
Name	OJ991203_19.0421.C3.o2.gs	Method	GENSCAN
Start	6548	End	13851
GI	none	Score	.86
Exons	6548..6605, 6958..7155, 7814..7996, 8563..8772, 9813..9895, 10748..10862, 11410..11664, 12652..12828, 13604..13851		

Seq. No.	49193	Seq. ID	OJ991203_19.0421.C3
Gene No.	104703	Strand	+
Start	6548	End	15055
Name	OJ991203_19.0421.C3.o1.np	Method	AAT/NAP
Start	7130	End	15055
GI	3928787	Score	2052
Exons	7130..7154, 7814..7996, 8563..8772, 9813..9895, 10748..10862, 11410..11622, 12652..12828, 13604..13851, 15015..15055		
GI Descrip.	(AF059284) factor B SpBf [Strongylocentrotus purpuratus]		

Seq. No.	49194	Seq. ID	OJ991203_19.0421.C4
Gene No.	104704	Strand	+
Start	216	End	2218
Name	OJ991203_19.0421.C4.o1.gs	Method	GENSCAN
Start	216	End	2204
GI	none	Score	.61
Exons	216..485, 583..664, 2091..2204		

Seq. No.	49194	Seq. ID	OJ991203_19.0421.C4
Gene No.	104704	Strand	+
Start	216	End	2218
Name	OJ991203_19.0421.C4.o1.np	Method	AAT/NAP
Start	216	End	2218
GI	3928787	Score	339
Exons	216..357, 2091..2218		
GI Descrip.	(AF059284) factor B SpBf [Strongylocentrotus purpuratus]		

Seq. No.	49195	Seq. ID	OJ991203_19.0421.C5
Gene No.	104705	Strand	+
Start	772	End	3903
Name	OJ991203_19.0421.C5.o1.np	Method	AAT/NAP
Start	772	End	3903
GI	3928787	Score	594
Exons	772..988, 2756..2877, 3409..3528, 3881..3903		
GI Descrip.	(AF059284) factor B SpBf [Strongylocentrotus purpuratus]		

Seq. No.	49195	Seq. ID	OJ991203_19.0421.C5
Gene No.	104705	Strand	+
Start	772	End	3903
Name	OJ991203_19.0421.C5.o1.gs	Method	GENSCAN
Start	776	End	2877
GI	none	Score	.61
Exons	776..988, 2756..2877		

Seq. No.	49196	Seq. ID	OJ991203_19.0421.C6
Gene No.	104706	Strand	+
Start	1647	End	1753

Name	OJ991203_19.0421.C6.o1.np	Method	AAT/NAP
Start	1647	End	1753
GI	3928787	Score	89
Exons	1647..1753		
GI Descrip.	(AF059284) factor B SpBf [Strongylocentrotus purpuratus]		

Seq. No.	49196	Seq. ID	OJ991203_19.0421.C6
Gene No.	104707	Strand	-
Start	776	End	928
Name	OJ991203_19.0421.C6.o1.gs	Method	GENSCAN
Start	776	End	928
GI	none	Score	.54
Exons	776..928		

Seq. No.	49197	Seq. ID	OJ991203_19.0421.C7
Gene No.	104708	Strand	+
Start	1	End	1655
Name	OJ991203_19.0421.C7.o1.np	Method	AAT/NAP
Start	1	End	1652
GI	3928787	Score	394
Exons	1..30, 1267..1652		
GI Descrip.	(AF059284) factor B SpBf [Strongylocentrotus purpuratus]		

Seq. No.	49197	Seq. ID	OJ991203_19.0421.C7
Gene No.	104708	Strand	+
Start	1	End	1655
Name	OJ991203_19.0421.C7.o1.gs	Method	GENSCAN
Start	720	End	1655
GI	none	Score	.93
Exons	720..729, 1276..1655		

Seq. No.	49198	Seq. ID	OJ991203_19.0421.C8
Gene No.	104709	Strand	+
Start	154	End	4800
Name	OJ991203_19.0421.C8.o1.gs	Method	GENSCAN
Start	154	End	4800
GI	none	Score	.66
Exons	154..234, 1512..1551, 2042..2231, 3388..3537, 4662..4800		

Seq. No.	49198	Seq. ID	OJ991203_19.0421.C8
Gene No.	104710	Strand	+
Start	7055	End	13703
Name	OJ991203_19.0421.C8.o2.gs	Method	GENSCAN
Start	7055	End	13703
GI	none	Score	.71
Exons	7055..7204, 7915..7949, 8110..8312, 8699..8777, 10578..10624, 10970..11007, 11355..11607, 12499..12890, 13605..13703		

Seq. No.	49199	Seq. ID	OJ991203_19.0421.C9
Gene No.	104711	Strand	+
Start	4595	End	11616
Name	OJ991203_19.0421.C9.o2.np	Method	AAT/NAP
Start	4595	End	11616
GI	6912402	Score	246
Exons	4595..4627, 8911..9128, 10263..10429, 11312..11616		
GI Descrip.	general transcription factor IIIC, polypeptide 5 (63kD) gi|5281316|gb|AAD41476.1|AF133124_1 (AF133124) transcription		

factor IIIC63 [Homo sapiens]

Seq. No.	49199	Seq. ID	OJ991203_19.0421.C9
Gene No.	104711	Strand	+
Start	4595	End	11616
Name	OJ991203_19.0421.C9.o3.gs	Method	GENSCAN
Start	8812	End	11561
GI	none	Score	.95
Exons	8812..8838, 8911..9118, 9934..10079, 11321..11561		

Seq. No.	49199	Seq. ID	OJ991203_19.0421.C9
Gene No.	104712	Strand	-
Start	1358	End	3161
Name	OJ991203_19.0421.C9.o1.gs	Method	GENSCAN
Start	1358	End	3161
GI	none	Score	.86
Exons	1358..1506, 2552..3161		

Seq. No.	49199	Seq. ID	OJ991203_19.0421.C9
Gene No.	104713	Strand	-
Start	3593	End	10586
Name	OJ991203_19.0421.C9.o2.gs	Method	GENSCAN
Start	3593	End	8247
GI	none	Score	.82
Exons	3593..3771, 6600..8247		

Seq. No.	49199	Seq. ID	OJ991203_19.0421.C9
Gene No.	104713	Strand	-
Start	3593	End	10586
Name	OJ991203_19.0421.C9.o1.np	Method	AAT/NAP
Start	6469	End	10586
GI	4378025	Score	1043
Exons	6469..8336, 10424..10586		
GI Descrip.	(AF086712) reverse transcriptase-like protein [Fugu rubripes]		

Seq. No.	49200	Seq. ID	OJ991203_19.0421.C11
Gene No.	104714	Strand	+
Start	827	End	1940
Name	OJ991203_19.0421.C11.o1.gs	Method	GENSCAN
Start	827	End	1940
GI	none	Score	.74
Exons	827..850, 1596..1799, 1832..1940		

Seq. No.	49201	Seq. ID	OJ991203_19.0421.C14
Gene No.	104715	Strand	+
Start	403	End	724
Name	OJ991203_19.0421.C14.o1.gp	Method	AAT/GAP
Start	403	End	724
GI	8464_1.R1084	Score	598
Exons	403..724		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49201	Seq. ID	OJ991203_19.0421.C14
Gene No.	104716	Strand	-
Start	407	End	638
Name	OJ991203_19.0421.C14.o1.ts	Method	TBLASTX:Soybean

Start	405	End	638
GI	none	Score	167
Exons	405..593, 407..592, 573..638		

Seq. No.	49201	Seq. ID	OJ991203_19.0421.C14
Gene No.	104716	Strand	-
Start	407	End	638
Name	OJ991203_19.0421.C14.o1.gs	Method	GENSCAN
Start	407	End	529
GI	none	Score	.72
Exons	407..529		

Seq. No.	49202	Seq. ID	OJ991203_19.0421.C19
Gene No.	104717	Strand	-
Start	1627	End	2137
Name	OJ991203_19.0421.C19.o1.gs	Method	GENSCAN
Start	1627	End	2137
GI	none	Score	.78
Exons	1627..1688, 2128..2137		

Seq. No.	49203	Seq. ID	OJ991203_19.0421.C20
Gene No.	104718	Strand	+
Start	7557	End	9193
Name	OJ991203_19.0421.C20.o1.np	Method	AAT/NAP
Start	7557	End	9193
GI	1703451	Score	98
Exons	7557..7908, 9156..9193		
GI Descrip.	SPERM ACROSOMAL PROTEIN FSA-ACR.1 PRECURSOR gi|452582 (U06077) fox sperm acrosomal protein FSA-Acr.1 [Vulpes vulpes] gi|1096489|prf||2111415A sperm protein FSA-Acr.1 [Vulpes vulpes]		

Seq. No.	49204	Seq. ID	OJ991203_19.0421.C21
Gene No.	104719	Strand	+
Start	1472	End	1810
Name	OJ991203_19.0421.C21.o1.gs	Method	GENSCAN
Start	1472	End	1810
GI	none	Score	.5
Exons	1472..1556, 1800..1810		

Seq. No.	49204	Seq. ID	OJ991203_19.0421.C21
Gene No.	104720	Strand	+
Start	2690	End	3580
Name	OJ991203_19.0421.C21.o2.gs	Method	GENSCAN
Start	2690	End	3580
GI	none	Score	.71
Exons	2690..3580		

Seq. No.	49204	Seq. ID	OJ991203_19.0421.C21
Gene No.	104721	Strand	+
Start	4213	End	6176
Name	OJ991203_19.0421.C21.o3.gs	Method	GENSCAN
Start	4213	End	6176
GI	none	Score	.53
Exons	4213..4275, 5512..5667, 6114..6176		

Seq. No.	49204	Seq. ID	OJ991203_19.0421.C21
Gene No.	104722	Strand	+

Start	7932	End	8264
Name	OJ991203_19.0421.C21.o4.gs	Method	GENSCAN
Start	7932	End	8264
GI	none	Score	.45
Exons	7932..8264		

Seq. No.	49204	Seq. ID	OJ991203_19.0421.C21
Gene No.	104723	Strand	-
Start	1040	End	1120
Name	OJ991203_19.0421.C21.o1.gp	Method	AAT/GAP
Start	1040	End	1120
GI	LIB3477-003-P1-K1-E9	Score	118
Exons	1040..1120		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	49204	Seq. ID	OJ991203_19.0421.C21
Gene No.	104724	Strand	-
Start	9843	End	20481
Name	OJ991203_19.0421.C21.o5.gs	Method	GENSCAN
Start	9843	End	20481
GI	none	Score	.44
Exons	9843..9965, 10251..10552, 12392..12466, 13609..13716, 14853..15052, 18227..18467, 19062..20481		

Seq. No.	49204	Seq. ID	OJ991203_19.0421.C21
Gene No.	104725	Strand	-
Start	21363	End	22232
Name	OJ991203_19.0421.C21.o6.gs	Method	GENSCAN
Start	21363	End	22232
GI	none	Score	.43
Exons	21363..22232		

Seq. No.	49204	Seq. ID	OJ991203_19.0421.C21
Gene No.	104726	Strand	-
Start	22533	End	22765
Name	OJ991203_19.0421.C21.o4.np	Method	AAT/NAP
Start	22533	End	22765
GI	7296176	Score	111
Exons	22533..22765		
GI Descrip.	(AE003588) CG2839 gene product [Drosophila melanogaster]		

Seq. No.	49205	Seq. ID	OJ991203_19.0421.C22
Gene No.	104727	Strand	-
Start	338	End	422
Name	OJ991203_19.0421.C22.o1.gs	Method	GENSCAN
Start	338	End	422
GI	none	Score	.81
Exons	338..422		

Seq. No.	49206	Seq. ID	OJ991203_19.0421.C23
Gene No.	104728	Strand	-
Start	1101	End	1475
Name	OJ991203_19.0421.C23.o1.gs	Method	GENSCAN
Start	1101	End	1475
GI	none	Score	.91

Exons	1101..1475		
Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104729	Strand	+
Start	2358	End	8500
Name	OJ991203_03.0421.C1.o2.gs	Method	GENSCAN
Start	2358	End	8188
GI	none	Score	.76
Exons	2358..2369, 3001..3131, 3374..3437, 3600..3673, 4203..4432, 4793..4853, 6146..6487, 6651..7032, 7815..7913, 8015..8188		
Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104729	Strand	+
Start	2358	End	8500
Name	OJ991203_03.0421.C1.o2.np	Method	AAT/NAP
Start	6207	End	6352
GI	6979338	Score	114
Exons	6207..6352		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		
Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104729	Strand	+
Start	2358	End	8500
Name	OJ991203_03.0421.C1.o1.gp	Method	AAT/GAP
Start	8037	End	8500
GI	2428843	Score	839
Exons	8037..8500		
Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104730	Strand	+
Start	11099	End	14773
Name	OJ991203_03.0421.C1.o4.gs	Method	GENSCAN
Start	11099	End	13847
GI	none	Score	.53
Exons	11099..11217, 11445..11495, 11645..12566, 13408..13563, 13674..13847		
Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104730	Strand	+
Start	11099	End	14773
Name	OJ991203_03.0421.C1.o2.gp	Method	AAT/GAP
Start	11200	End	12026
GI	uC-osf1M202096h01b1	Score	853
Exons	11200..11273, 11445..11495, 11645..12026		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104730	Strand	+
Start	11099	End	14773
Name	OJ991203_03.0421.C1.o5.np	Method	AAT/NAP
Start	11700	End	14773
GI	6979329	Score	95
Exons	11700..11905, 14752..14773		
GI Descrip.	(AF172282) unknown protein [Oryza sativa]		
Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1

Gene No.	104731	Strand	+
Start	15994	End	18628
Name	OJ991203_03.0421.C1.o6.gs	Method	GENSCAN
Start	15994	End	18628
GI	none	Score	.88
Exons	15994..16154, 16327..16377, 16547..17468, 18190..18345, 18455..18628		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104732	Strand	+
Start	30317	End	36065
Name	OJ991203_03.0421.C1.o6.np	Method	AAT/NAP
Start	30317	End	36065
GI	6056391	Score	1909
Exons	30317..30352, 31374..32065, 32146..35388, 35847..36065		
GI Descrip.	(AC009324) Similar to retrotransposon proteins [Arabidopsis thaliana]		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104732	Strand	+
Start	30317	End	36065
Name	OJ991203_03.0421.C1.o8.np	Method	AAT/NAP
Start	35857	End	36061
GI	6979329	Score	112
Exons	35857..36061		
GI Descrip.	(AF172282) unknown protein [Oryza sativa]		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104733	Strand	+
Start	41584	End	41947
Name	OJ991203_03.0421.C1.o4.gp	Method	AAT/GAP
Start	41584	End	41947
GI	71195_2.R1084	Score	656
Exons	41584..41947		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 3.0e-14 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104734	Strand	+
Start	46766	End	47943
Name	OJ991203_03.0421.C1.o5.gp	Method	AAT/GAP
Start	46766	End	47371
GI	none	Score	737
Exons	46766..46944, 47118..47371		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104734	Strand	+
Start	46766	End	47943
Name	OJ991203_03.0421.C1.o9.np	Method	AAT/NAP
Start	47185	End	47943
GI	6979338	Score	170
Exons	47185..47335, 47369..47808, 47836..47943		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104735	Strand	+
Start	49316	End	49776

Name	OJ991203_03.0421.C1.o10.np	Method	AAT/NAP
Start	49316	End	49776
GI	6979329	Score	83
Exons	49316..49477, 49571..49776		
GI Descrip.	(AF172282) unknown protein [Oryza sativa]		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104736	Strand	+
Start	53960	End	61137
Name	OJ991203_03.0421.C1.o7.gp	Method	AAT/GAP
Start	53652	End	53959
GI	none	Score	584
Exons	53652..53959		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104736	Strand	+
Start	53960	End	61137
Name	OJ991203_03.0421.C1.o11.gs	Method	GENSCAN
Start	53960	End	58655
GI	none	Score	.7
Exons	53960..54174, 54917..55151, 55315..55389, 57017..57107, 57230..57407, 58067..58655		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104736	Strand	+
Start	53960	End	61137
Name	OJ991203_03.0421.C1.o8.gp	Method	AAT/GAP
Start	58266	End	61137
GI	8464_1.R1084	Score	1203
Exons	58266..58634, 59644..59756, 60881..60971, 61056..61137		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104737	Strand	+
Start	61379	End	64119
Name	OJ991203_03.0421.C1.o12.gs	Method	GENSCAN
Start	61379	End	64119
GI	none	Score	.57
Exons	61379..61521, 62336..62513, 63979..64119		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104738	Strand	+
Start	79141	End	82003
Name	OJ991203_03.0421.C1.o16.gs	Method	GENSCAN
Start	79141	End	82003
GI	none	Score	.9
Exons	79141..79290, 79554..80498, 81520..81675, 81776..82003		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104738	Strand	+
Start	79141	End	82003
Name	OJ991203_03.0421.C1.o15.np	Method	AAT/NAP
Start	79656	End	81774
GI	6979338	Score	193
Exons	79656..79806, 79840..80384, 81735..81774		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104739	Strand	+
Start	83539	End	94079
Name	OJ991203_03.0421.C1.o17.gs	Method	GENSCAN
Start	83539	End	93168
GI	none	Score	.44
Exons	83539..83587, 83764..84692, 85423..85578, 85675..85782, 88911..89375, 89450..89560, 89719..89863, 91025..91986, 92714..92869, 92971..93168		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104739	Strand	+
Start	83539	End	94079
Name	OJ991203_03.0421.C1.o20.np	Method	AAT/NAP
Start	91099	End	94079
GI	6979329	Score	102
Exons	91099..91300, 94018..94079		
GI Descrip.	(AF172282) unknown protein [Oryza sativa]		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104739	Strand	+
Start	83539	End	94079
Name	OJ991203_03.0421.C1.o19.np	Method	AAT/NAP
Start	91144	End	91893
GI	6979338	Score	215
Exons	91144..91295, 91358..91893		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104740	Strand	+
Start	94877	End	99265
Name	OJ991203_03.0421.C1.o18.gs	Method	GENSCAN
Start	94877	End	98433
GI	none	Score	.88
Exons	94877..95219, 95964..95999, 96116..97062, 97900..98055, 98152..98433		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104740	Strand	+
Start	94877	End	99265
Name	OJ991203_03.0421.C1.o23.np	Method	AAT/NAP
Start	96181	End	99265
GI	6979329	Score	103
Exons	96181..96375, 96421..96562, 98324..98456, 99205..99265		
GI Descrip.	(AF172282) unknown protein [Oryza sativa]		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104741	Strand	-
Start	647	End	1591
Name	OJ991203_03.0421.C1.o1.np	Method	AAT/NAP
Start	643	End	1405
GI	628057	Score	262
Exons	643..1405		
GI Descrip.	hemagglutinin - Maackia amurensis		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1

Gene No.	104741	Strand	-
Start	647	End	1591
Name	OJ991203_03.0421.C1.o1.gs	Method	GENSCAN
Start	647	End	1591
GI	none	Score	.91
Exons	647..1591		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104742	Strand	-
Start	9756	End	10408
Name	OJ991203_03.0421.C1.o3.gs	Method	GENSCAN
Start	9756	End	10408
GI	none	Score	.69
Exons	9756..10144, 10201..10408		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104743	Strand	-
Start	14591	End	15025
Name	OJ991203_03.0421.C1.o5.gs	Method	GENSCAN
Start	14591	End	15025
GI	none	Score	.96
Exons	14591..14760, 14854..15025		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104744	Strand	-
Start	23575	End	25316
Name	OJ991203_03.0421.C1.o8.gs	Method	GENSCAN
Start	23575	End	25316
GI	none	Score	.51
Exons	23575..23590, 24982..25316		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104745	Strand	-
Start	26510	End	27385
Name	OJ991203_03.0421.C1.o9.gs	Method	GENSCAN
Start	26510	End	27385
GI	none	Score	.97
Exons	26510..27385		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104746	Strand	-
Start	49579	End	50149
Name	OJ991203_03.0421.C1.o6.gp	Method	AAT/GAP
Start	49579	End	50149
GI	none	Score	1124
Exons	49579..50149		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104747	Strand	-
Start	50410	End	52583
Name	OJ991203_03.0421.C1.o11.np	Method	AAT/NAP
Start	50410	End	52583
GI	5852176	Score	39
Exons	50410..50456, 52320..52583		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1

Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o6.tm	Method	TBLASTX:Maize
Start	800	End	1028
GI	none	Score	116
Exons	800..1027, 810..1028		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o11.tm	Method	TBLASTX:Maize
Start	6224	End	96399
GI	none	Score	178
Exons	6224..6343, 6225..6440, 6225..6467, 11759..11881, 11760..11909, 11796..11909, 16620..16814, 16661..16810, 16704..16850, 20497..20532, 20527..20673, 20575..20667, 20665..20724, 35918..36082, 35921..36076, 35953..36081, 47197..47349, 47200..47352, 79629..79820, 79656..79823, 83841..84050, 83880..84032, 83888..84040, 91159..91308, 91159..91308, 96181..96399, 96181..96348		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o6.ts	Method	TBLASTX:Soybean
Start	9855	End	14746
GI	none	Score	102
Exons	9855..10046, 9856..10047, 10035..10127, 10047..10136, 10206..10244, 14567..14665, 14717..14746		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o5.ts	Method	TBLASTX:Soybean
Start	26708	End	27310
GI	none	Score	102
Exons	26708..26785, 26798..27031, 27056..27145, 27182..27310		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o5.tc	Method	TBLASTX:Cress
Start	26936	End	27286
GI	none	Score	99
Exons	26936..27034, 27056..27139, 27179..27286		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o7.tm	Method	TBLASTX:Maize
Start	31272	End	31778
GI	none	Score	69
Exons	31272..31406, 31476..31778		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399

Name	OJ991203_03.0421.C1.o5.tw	Method	TBLASTX:Wheat
Start	32373	End	32819
GI	none	Score	146
Exons	32373..32561, 32390..32623, 32615..32671, 32616..32693, 32697..32819		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o8.tm	Method	TBLASTX:Maize
Start	32391	End	32711
GI	none	Score	185
Exons	32391..32615, 32403..32585, 32595..32711		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o10.tm	Method	TBLASTX:Maize
Start	32727	End	33008
GI	none	Score	147
Exons	32727..32891, 32904..33008		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o3.tm	Method	TBLASTX:Maize
Start	33009	End	33461
GI	none	Score	97
Exons	33009..33110, 33111..33461, 33182..33460		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o4.ts	Method	TBLASTX:Soybean
Start	33015	End	33461
GI	none	Score	260
Exons	33015..33461		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o1.tc	Method	TBLASTX:Cress
Start	33057	End	33484
GI	none	Score	262
Exons	33057..33479, 33296..33484		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o2.tw	Method	TBLASTX:Wheat
Start	33135	End	33487
GI	none	Score	307
Exons	33135..33479, 33135..33200, 33299..33487		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399

Name	OJ991203_03.0421.C1.o3.ts	Method	TBLASTX:Soybean
Start	33828	End	34307
GI	5509260	Score	357
Exons	33828..34307, 33833..34237		
GI Descrip.	-		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o5.tm	Method	TBLASTX:Maize
Start	33863	End	34112
GI	none	Score	265
Exons	33863..34099, 33864..34112, 33867..34112		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o2.tc	Method	TBLASTX:Cress
Start	33927	End	34202
GI	none	Score	256
Exons	33927..34202, 33941..34174		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o3.tw	Method	TBLASTX:Wheat
Start	33983	End	34487
GI	none	Score	244
Exons	33983..34096, 33984..34328, 34142..34303, 34320..34487		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o1.tm	Method	TBLASTX:Maize
Start	34116	End	34562
GI	none	Score	461
Exons	34116..34556, 34116..34358, 34139..34555, 34437..34562		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o4.tc	Method	TBLASTX:Cress
Start	34323	End	34658
GI	none	Score	44
Exons	34323..34361, 34389..34658		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o1.tw	Method	TBLASTX:Wheat
Start	34490	End	34913
GI	none	Score	156
Exons	34490..34606, 34491..34667, 34670..34912, 34671..34913		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399

Name	OJ991203_03.0421.C1.o2.tm	Method	TBLASTX:Maize
Start	34572	End	34997
GI	none	Score	45
Exons	34572..34604, 34614..34997, 34685..34981		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o3.tc	Method	TBLASTX:Cress
Start	34671	End	35315
GI	none	Score	98
Exons	34671..34856, 34965..35093, 35100..35315, 35120..35287		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o2.ts	Method	TBLASTX:Soybean
Start	34692	End	35360
GI	none	Score	345
Exons	34692..35084, 34889..35215, 35115..35360		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o4.tm	Method	TBLASTX:Maize
Start	34998	End	35358
GI	none	Score	317
Exons	34998..35294, 35003..35083, 35016..35168, 35105..35296, 35302..35358		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o6.tw	Method	TBLASTX:Wheat
Start	35150	End	35357
GI	none	Score	185
Exons	35150..35329, 35154..35357		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o12.tm	Method	TBLASTX:Maize
Start	39100	End	39370
GI	none	Score	59
Exons	39100..39171, 39107..39172, 39123..39176, 39151..39213, 39155..39211, 39213..39263, 39214..39267, 39217..39267, 39289..39369, 39290..39370		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o14.np	Method	AAT/NAP
Start	52584	End	96229
GI	5917666	Score	545
Exons	52584..52772, 66695..66746, 66963..67250, 71408..72583, 75771..76706, 96148..96229		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o7.ts	Method	TBLASTX:Soybean
Start	55420	End	57267
GI	none	Score	102
Exons	55420..55491, 56938..57120, 56963..57106, 57232..57267		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o1.ts	Method	TBLASTX:Soybean
Start	57355	End	59757
GI	none	Score	73
Exons	57355..57408, 58043..58165, 58068..58379, 58070..58345, 58403..58468, 58448..58636, 58449..58634, 59643..59756, 59644..59757		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o4.tw	Method	TBLASTX:Wheat
Start	58553	End	63955
GI	none	Score	128
Exons	58553..58636, 58554..58634, 58554..58637, 58558..58650, 59628..59681, 59644..59676, 59674..59769, 59675..59746, 59677..59757, 62250..62465, 62267..62503, 62269..62505, 62269..62514, 63908..63955		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o9.tm	Method	TBLASTX:Maize
Start	62384	End	64133
GI	none	Score	195
Exons	62384..62518, 62385..62519, 63908..64099, 63911..64108, 63924..64133		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o9.gp	Method	AAT/GAP
Start	64072	End	64268
GI	none	Score	258
Exons	64072..64268		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o13.np	Method	AAT/NAP
Start	66015	End	66620
GI	6714352	Score	219
Exons	66015..66620		
GI Descrip.	(AC015986) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1

Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o13.gs	Method	GENSCAN
Start	66031	End	71542
GI	none	Score	.77
Exons	66031..66139, 66208..66385, 66426..66704, 66939..67183, 68280..68302, 68433..68459, 68985..69015, 71469..71542		

Seq. No.	49207	Seq. ID	OJ991203_03.0421.C1
Gene No.	104748	Strand	-
Start	52584	End	96399
Name	OJ991203_03.0421.C1.o10.gp	Method	AAT/GAP
Start	81858	End	82265
GI	none	Score	788
Exons	81858..82265		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104749	Strand	+
Start	2745	End	5317
Name	OJ991203_03.0421.C2.o1.gs	Method	GENSCAN
Start	2745	End	5059
GI	none	Score	.51
Exons	2745..3572, 4530..4632, 4683..4724, 4785..5059		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104749	Strand	+
Start	2745	End	5317
Name	OJ991203_03.0421.C2.o1.gp	Method	AAT/GAP
Start	4929	End	5317
GI	3107627	Score	741
Exons	4929..5317		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104750	Strand	+
Start	8756	End	12271
Name	OJ991203_03.0421.C2.o3.gs	Method	GENSCAN
Start	8756	End	12271
GI	none	Score	.64
Exons	8756..8794, 9596..10531, 11786..11827, 11924..12271		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104751	Strand	+
Start	15271	End	15539
Name	OJ991203_03.0421.C2.o3.np	Method	AAT/NAP
Start	15271	End	15539
GI	6979338	Score	114
Exons	15271..15459, 15487..15539		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104752	Strand	+
Start	20510	End	20622
Name	OJ991203_03.0421.C2.o3.gp	Method	AAT/GAP
Start	20510	End	20622
GI	uC-osflcyp088b12b1	Score	153
Exons	20510..20622		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic		

DNA, chromosome 8, clone:P0026F07'

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104753	Strand	+
Start	21434	End	22591
Name	OJ991203_03.0421.C2.o6.gs	Method	GENSCAN
Start	21434	End	22591
GI	none	Score	.81
Exons	21434..21478, 22043..22351, 22437..22591		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104754	Strand	-
Start	5710	End	6051
Name	OJ991203_03.0421.C2.o2.gs	Method	GENSCAN
Start	5710	End	6051
GI	none	Score	.88
Exons	5710..6051		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104755	Strand	-
Start	10047	End	10192
Name	OJ991203_03.0421.C2.o2.gp	Method	AAT/GAP
Start	10047	End	10192
GI	3106523	Score	200
Exons	10047..10192		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104756	Strand	-
Start	13504	End	17921
Name	OJ991203_03.0421.C2.o2.np	Method	AAT/NAP
Start	13309	End	13736
GI	6539570	Score	194
Exons	13309..13374, 13534..13736		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104756	Strand	-
Start	13504	End	17921
Name	OJ991203_03.0421.C2.o4.gs	Method	GENSCAN
Start	13504	End	16580
GI	none	Score	.58
Exons	13504..13681, 15121..15238, 15342..15625, 16378..16580		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104756	Strand	-
Start	13504	End	17921
Name	OJ991203_03.0421.C2.o4.np	Method	AAT/NAP
Start	15944	End	17921
GI	6539570	Score	47
Exons	15944..16176, 17838..17921		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104757	Strand	-
Start	18453	End	20310
Name	OJ991203_03.0421.C2.o5.gs	Method	GENSCAN
Start	18453	End	20310

GI	none	Score	.72
Exons	18453..18692, 19758..19877, 20155..20310		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104758	Strand	-
Start	22077	End	22650
Name	OJ991203_03.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	2718	End	15534
GI	none	Score	183
Exons	2718..2897, 2733..2900, 9665..9856, 9665..9868, 15235..15534, 15241..15507		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104758	Strand	-
Start	22077	End	22650
Name	OJ991203_03.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	18444	End	18683
GI	none	Score	68
Exons	18444..18683, 18480..18638		

Seq. No.	49208	Seq. ID	OJ991203_03.0421.C2
Gene No.	104758	Strand	-
Start	22077	End	22650
Name	OJ991203_03.0421.C2.o5.np	Method	AAT/NAP
Start	22077	End	22650
GI	7340881	Score	158
Exons	22077..22650		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	49209	Seq. ID	OJ991203_03.0421.C3
Gene No.	104759	Strand	+
Start	235	End	2998
Name	OJ991203_03.0421.C3.o1.gs	Method	GENSCAN
Start	235	End	1085
GI	none	Score	.83
Exons	235..325, 726..962, 1048..1085		

Seq. No.	49209	Seq. ID	OJ991203_03.0421.C3
Gene No.	104759	Strand	+
Start	235	End	2998
Name	OJ991203_03.0421.C3.o1.np	Method	AAT/NAP
Start	658	End	2778
GI	6967112	Score	421
Exons	658..681, 2010..2778		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	49209	Seq. ID	OJ991203_03.0421.C3
Gene No.	104759	Strand	+
Start	235	End	2998
Name	OJ991203_03.0421.C3.o1.tw	Method	TBLASTX:Wheat
Start	1312	End	2544
GI	none	Score	463
Exons	1312..1377, 2136..2540, 2137..2544, 2287..2544		

Seq. No.	49209	Seq. ID	OJ991203_03.0421.C3
Gene No.	104759	Strand	+
Start	235	End	2998

Name	OJ991203_03.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	1689	End	2286
GI	none	Score	659
Exons	1689..2285, 1690..2286		

Seq. No.	49209	Seq. ID	OJ991203_03.0421.C3
Gene No.	104759	Strand	+
Start	235	End	2998
Name	OJ991203_03.0421.C3.o2.gs	Method	GENSCAN
Start	1907	End	2998
GI	none	Score	.45
Exons	1907..1986, 2010..2167, 2306..2730, 2891..2998		

Seq. No.	49209	Seq. ID	OJ991203_03.0421.C3
Gene No.	104759	Strand	+
Start	235	End	2998
Name	OJ991203_03.0421.C3.o1.ts	Method	TBLASTX:Soybean
Start	2068	End	2457
GI	none	Score	223
Exons	2068..2280, 2160..2285, 2293..2457, 2296..2457		

Seq. No.	49209	Seq. ID	OJ991203_03.0421.C3
Gene No.	104759	Strand	+
Start	235	End	2998
Name	OJ991203_03.0421.C3.o3.tm	Method	TBLASTX:Maize
Start	2286	End	2468
GI	none	Score	237
Exons	2286..2468, 2287..2466		

Seq. No.	49209	Seq. ID	OJ991203_03.0421.C3
Gene No.	104759	Strand	+
Start	235	End	2998
Name	OJ991203_03.0421.C3.o2.tm	Method	TBLASTX:Maize
Start	2470	End	2792
GI	none	Score	425
Exons	2470..2787, 2470..2778, 2570..2791, 2697..2792		

Seq. No.	49210	Seq. ID	OJ990323_18.0419.C2
Gene No.	104760	Strand	-
Start	1	End	1194
Name	OJ990323_18.0419.C2.o1.gp	Method	AAT/GAP
Start	1	End	1194
GI	294_8.R1084	Score	1758
Exons	1..1194		
GI Descrip.	'1332579/emb|CAA66667| 3.0e-75 (X98063) polyubiquitin [Pinus sylvestris]'		

Seq. No.	49210	Seq. ID	OJ990323_18.0419.C2
Gene No.	104760	Strand	-
Start	1	End	1194
Name	OJ990323_18.0419.C2.o1.np	Method	AAT/NAP
Start	1	End	1194
GI	2760347	Score	1827
Exons	1..1194		
GI Descrip.	(U84968) ubiquitin [Arabidopsis thaliana]		

Seq. No.	49210	Seq. ID	OJ990323_18.0419.C2

Gene No.	104760	Strand	-
Start	1	End	1194
Name	OJ990323_18.0419.C2.o1.tc	Method	TBLASTX:Cress
Start	4	End	1188
GI	none	Score	79
Exons	4..81, 37..99, 37..99, 37..90, 38..244, 38..247, 38..244, 38..1174, 38..1054, 38..244, 38..247, 41..142, 51..1154, 51..1055, 132..251, 134..247, 143..1174, 144..1154, 313..1155, 359..493, 360..653, 590..721, 610..1182, 802..903, 815..940, 816..935, 995..1165, 995..1165, 995..1165, 996..1187, 1043..1165, 1044..1109, 1161..1187, 1165..1188, 1165..1188, 1165..1188		

Seq. No.	49210	Seq. ID	OJ990323_18.0419.C2
Gene No.	104760	Strand	-
Start	1	End	1194
Name	OJ990323_18.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	31	End	1188
GI	none	Score	68
Exons	31..81, 31..81, 31..81, 34..99, 35..244, 38..916, 41..244, 41..244, 41..220, 51..917, 258..1121, 260..1144, 486..1160, 486..719, 488..1174, 511..696, 739..1164, 995..1132, 1001..1165, 1165..1188, 1165..1188		

Seq. No.	49210	Seq. ID	OJ990323_18.0419.C2
Gene No.	104760	Strand	-
Start	1	End	1194
Name	OJ990323_18.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	38	End	1188
GI	none	Score	177
Exons	38..244, 38..244, 38..1054, 40..81, 41..244, 41..247, 44..208, 51..383, 54..1055, 143..1174, 144..1154, 365..484, 637..1155, 821..1165, 995..1165, 996..1187, 1001..1165, 1020..1181, 1025..1165, 1027..1182, 1165..1188, 1165..1188, 1165..1188		

Seq. No.	49210	Seq. ID	OJ990323_18.0419.C2
Gene No.	104760	Strand	-
Start	1	End	1194
Name	OJ990323_18.0419.C2.o1.tw	Method	TBLASTX:Wheat
Start	38	End	1192
GI	none	Score	81
Exons	38..598, 40..81, 40..81, 40..81, 41..244, 41..247, 41..142, 51..599, 140..826, 141..827, 368..1054, 369..1055, 596..1174, 597..1160, 598..1182, 1005..1181, 1005..1181, 1086..1181, 1166..1192		

Seq. No.	49210	Seq. ID	OJ990323_18.0419.C2
Gene No.	104760	Strand	-
Start	1	End	1194
Name	OJ990323_18.0419.C2.o1.gs	Method	GENSCAN
Start	40	End	1054
GI	none	Score	.84
Exons	40..1054		

Seq. No.	49211	Seq. ID	OJ990323_18.0419.C3
Gene No.	104761	Strand	-
Start	1	End	318

Name	OJ990323_18.0419.C3.o1.gp	Method	AAT/GAP
Start	1	End	308
GI	294_8.R1084	Score	447
Exons	1..308		
GI Descrip.	'1332579/emb|CAA66667| 3.0e-75 (X98063) polyubiquitin [Pinus sylvestris]'		

Seq. No.	49211	Seq. ID	OJ990323_18.0419.C3
Gene No.	104761	Strand	-
Start	1	End	318
Name	OJ990323_18.0419.C3.o1.np	Method	AAT/NAP
Start	1	End	306
GI	100934	Score	406
Exons	1..306		
GI Descrip.	ubiquitin precursor Ubi-1 - maize gi|422037|pir||S20926 ubiquitin precursor Ubi-2 - maize gi|248337|bbs|94465 (S94464) polyubiquitin(ubiquitin) [maize, Peptide, 533 aa] [Zea mays] gi|248339|bbs|94467 (S94466) polyubiquitin(ubiquitin) [maize, Peptide, 533 aa] [Zea mays]		

Seq. No.	49211	Seq. ID	OJ990323_18.0419.C3
Gene No.	104761	Strand	-
Start	1	End	318
Name	OJ990323_18.0419.C3.o1.gs	Method	GENSCAN
Start	21	End	306
GI	none	Score	.67
Exons	21..306		

Seq. No.	49211	Seq. ID	OJ990323_18.0419.C3
Gene No.	104761	Strand	-
Start	1	End	318
Name	OJ990323_18.0419.C3.o1.tw	Method	TBLASTX:Wheat
Start	34	End	316
GI	none	Score	257
Exons	34..312, 45..260, 47..316, 69..260, 73..264, 74..265, 266..307		

Seq. No.	49211	Seq. ID	OJ990323_18.0419.C3
Gene No.	104761	Strand	-
Start	1	End	318
Name	OJ990323_18.0419.C3.o1.tc	Method	TBLASTX:Cress
Start	46	End	312
GI	none	Score	216
Exons	46..306, 46..306, 46..306, 46..306, 46..306, 46..306, 46..306, 46..312, 50..307, 50..307, 50..307, 50..307, 50..307, 64..309, 68..187, 79..306, 80..307		

Seq. No.	49211	Seq. ID	OJ990323_18.0419.C3
Gene No.	104761	Strand	-
Start	1	End	318
Name	OJ990323_18.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	46	End	309
GI	none	Score	344
Exons	46..309, 50..307, 100..306, 114..260, 116..307		

Seq. No.	49211	Seq. ID	OJ990323_18.0419.C3
Gene No.	104761	Strand	-
Start	1	End	318

Name	OJ990323_18.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	46	End	318
GI	none	Score	288
Exons	46..318, 46..306, 46..306, 46..306, 50..307, 50..307, 50..307, 50..316, 79..306, 80..307		

Seq. No.	49212	Seq. ID	OJ990323_18.0419.C4
Gene No.	104762	Strand	-
Start	1379	End	2112
Name	OJ990323_18.0419.C4.o1.gp	Method	AAT/GAP
Start	1379	End	2097
GI	none	Score	1174
Exons	1379..1842, 1939..2097		

Seq. No.	49212	Seq. ID	OJ990323_18.0419.C4
Gene No.	104762	Strand	-
Start	1379	End	2112
Name	OJ990323_18.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	1765	End	2112
GI	none	Score	75
Exons	1765..1842, 1790..1849, 1939..2112, 1940..2098		

Seq. No.	49212	Seq. ID	OJ990323_18.0419.C4
Gene No.	104762	Strand	-
Start	1379	End	2112
Name	OJ990323_18.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	1795	End	2094
GI	none	Score	48
Exons	1795..1851, 1800..1829, 1939..2094, 1958..2092		

Seq. No.	49212	Seq. ID	OJ990323_18.0419.C4
Gene No.	104762	Strand	-
Start	1379	End	2112
Name	OJ990323_18.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	1795	End	2101
GI	none	Score	54
Exons	1795..1851, 1796..1852, 1939..2097, 1958..2101		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104763	Strand	+
Start	1519	End	6687
Name	OJ990323_18.0419.C5.o1.gs	Method	GENSCAN
Start	1519	End	6687
GI	none	Score	.62
Exons	1519..1677, 2296..2315, 5715..5809, 5949..6036, 6334..6353, 6523..6687		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104763	Strand	+
Start	1519	End	6687
Name	OJ990323_18.0419.C5.o2.np	Method	AAT/NAP
Start	5438	End	6637
GI	7267249	Score	114
Exons	5438..5490, 5707..5809, 5934..6036, 6435..6637		
GI Descrip.	(AL161502) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5

Gene No.	104764	Strand	+
Start	8041	End	8329
Name	OJ990323_18.0419.C5.o2.gs	Method	GENSCAN
Start	8041	End	8329
GI	none	Score	.4
Exons	8041..8232, 8300..8329		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104765	Strand	+
Start	11153	End	12615
Name	OJ990323_18.0419.C5.o4.gs	Method	GENSCAN
Start	11153	End	11807
GI	none	Score	.97
Exons	11153..11327, 11354..11539, 11782..11807		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104765	Strand	+
Start	11153	End	12615
Name	OJ990323_18.0419.C5.o3.np	Method	AAT/NAP
Start	11356	End	12615
GI	7485378	Score	204
Exons	11356..11539, 12008..12313, 12575..12615		
GI Descrip.	hypothetical protein F11C18.40 - Arabidopsis thaliana gi|4584523|emb|CAB40754.1| (AL049607) putative protein [Arabidopsis thaliana] gi|7270087|emb|CAB79902.1| (AL161579) putative protein [Arabidopsis thaliana]		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104766	Strand	+
Start	16441	End	17028
Name	OJ990323_18.0419.C5.o3.gp	Method	AAT/GAP
Start	16441	End	17028
GI	4570_1.R1084	Score	1073
Exons	16441..17028		
GI Descrip.	'1245938/gb|S80361|S80361 8.0e-10 rabClC-2 beta=chloride channel ClC-2G isoform [rabbits, heart atrium, mRNA, 2998 nt]'		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104767	Strand	-
Start	1586	End	1718
Name	OJ990323_18.0419.C5.o1.gp	Method	AAT/GAP
Start	1586	End	1718
GI	none	Score	197
Exons	1586..1718		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104768	Strand	-
Start	2830	End	4135
Name	OJ990323_18.0419.C5.o1.np	Method	AAT/NAP
Start	2830	End	4135
GI	6815099	Score	85
Exons	2830..2941, 4089..4135		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104769	Strand	-
Start	8500	End	9105

Name	OJ990323_18.0419.C5.o3.gs	Method	GENSCAN
Start	8500	End	9105
GI	none	Score	.9
Exons	8500..9105		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104770	Strand	-
Start	12004	End	16188
Name	OJ990323_18.0419.C5.o5.gs	Method	GENSCAN
Start	12004	End	16188
GI	none	Score	.68
Exons	12004..12446, 13492..13813, 13908..13993, 14079..14124, 14210..14329, 14440..14555, 14935..15123, 15137..15200, 15743..15951, 15966..16188		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104770	Strand	-
Start	12004	End	16188
Name	OJ990323_18.0419.C5.o2.gp	Method	AAT/GAP
Start	13218	End	15030
GI	20375_1.R1084	Score	1395
Exons	13218..13536, 13684..13813, 13908..13993, 14079..14124, 14210..14329, 14935..15030		
GI Descrip.	'131772/sp|P19950|R141_MAIZE 4.0e-58 40S RIBOSOMAL PROTEIN S14 (CLONE MCH1) >gi_82723_pir__A30097 ribosomal protein S14 (clone MCH1) - maize'		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104770	Strand	-
Start	12004	End	16188
Name	OJ990323_18.0419.C5.o4.np	Method	AAT/NAP
Start	13472	End	14332
GI	131772	Score	604
Exons	13472..13536, 13684..13813, 13908..13993, 14079..14124, 14210..14332		
GI Descrip.	40S RIBOSOMAL PROTEIN S14 (CLONE MCH1) gi|82723|pir||A30097 ribosomal protein S14 (clone MCH1) - maize		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104771	Strand	-
Start	16232	End	40051
Name	OJ990323_18.0419.C5.o6.np	Method	AAT/NAP
Start	16232	End	21997
GI	7485640	Score	632
Exons	16232..16319, 20177..20293, 20903..21109, 21246..21339, 21422..21468, 21552..21822, 21850..21997		
GI Descrip.	hypothetical protein F17K2.7 - Arabidopsis thaliana gi|2979554|gb|AAC06163.1| (AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104771	Strand	-
Start	16232	End	40051
Name	OJ990323_18.0419.C5.o4.gp	Method	AAT/GAP
Start	17132	End	18618
GI	none	Score	1311
Exons	17132..17567, 17672..17797, 18471..18618		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104771	Strand	-
Start	16232	End	40051
Name	OJ990323_18.0419.C5.o7.gs	Method	GENSCAN
Start	18528	End	40051
GI	none	Score	.79
Exons	18528..19225, 19824..20055, 20171..20296, 20903..21109, 21552..22004, 22108..22368, 22503..22961, 23036..23257, 23506..23737, 23898..24269, 25057..25169, 25258..25431, 25938..26027, 26155..26419, 26970..27158, 27288..27615, 27690..28095, 28186..28495, 30145..30218, 30672..30845, 31112..31332, 31721..31880, 32432..32581, 32694..32849, 32935..33387, 33498..33813, 34249..34354, 34550..34686, 35322..35544, 37385..37699, 37880..38056, 38546..38750, 39209..39272, 39861..40051		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104771	Strand	-
Start	16232	End	40051
Name	OJ990323_18.0419.C5.o5.gp	Method	AAT/GAP
Start	18981	End	20047
GI	none	Score	839
Exons	18981..19225, 19824..20047		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104771	Strand	-
Start	16232	End	40051
Name	OJ990323_18.0419.C5.o6.gp	Method	AAT/GAP
Start	20148	End	21092
GI	uC-osroM202019a12b1	Score	593
Exons	20148..20296, 20903..21092		
GI Descrip.	'4587572/gb|AAD25803.1|AC006550_11 3.0e-37 (AC006550) Similar to gb_U70015 lysosomal trafficking regulator from Mus musculus and contains 2 PF_00400 WD40, G-beta repeats. ESTs gb_T43386 and gb_AA395236 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104771	Strand	-
Start	16232	End	40051
Name	OJ990323_18.0419.C5.o7.gp	Method	AAT/GAP
Start	23020	End	23243
GI	1944272	Score	377
Exons	23020..23243		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104771	Strand	-
Start	16232	End	40051
Name	OJ990323_18.0419.C5.o8.gp	Method	AAT/GAP
Start	30663	End	31451
GI	none	Score	966
Exons	30663..30845, 31112..31451		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104772	Strand	-
Start	40727	End	41122
Name	OJ990323_18.0419.C5.o8.gs	Method	GENSCAN

Start	40727	End	41122
GI	none	Score	.97
Exons	40727..41122		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o6.tm	Method	TBLASTX:Maize
Start	8007	End	12195
GI	none	Score	88
Exons	8007..8153, 8065..8160, 8531..8632, 8535..8633, 8636..8722, 8647..8721, 11348..11398, 11485..11538, 12003..12194, 12004..12195		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o1.tc	Method	TBLASTX:Cress
Start	13455	End	14368
GI	none	Score	118
Exons	13455..13535, 13673..13837, 13685..13816, 13752..13829, 13894..13992, 13898..13948, 13906..13995, 13908..14000, 14066..14122, 14072..14116, 14077..14124, 14193..14330, 14205..14330, 14210..14368		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	13489	End	14339
GI	none	Score	75
Exons	13489..13545, 13505..13546, 13677..13733, 13679..13816, 13682..13837, 13752..13829, 13753..13839, 13906..13995, 13906..13992, 13908..14000, 14077..14124, 14078..14122, 14193..14330, 14210..14329, 14211..14339		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	13503	End	14341
GI	none	Score	46
Exons	13503..13550, 13673..13837, 13685..13816, 13686..13829, 13885..13992, 13895..13945, 13906..13995, 13908..14000, 14066..14122, 14077..14124, 14193..14330, 14210..14341		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	13739	End	14335
GI	none	Score	100
Exons	13739..13840, 13749..13814, 13900..13995, 13906..13995, 13908..14000, 14077..14124, 14078..14122, 14192..14296, 14196..14321, 14210..14335		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5

Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	18510	End	20062
GI	none	Score	141
Exons	18510..18656, 18511..19230, 18511..19113, 18522..19229, 19824..20057, 19825..20055, 19967..20062		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o2.ts	Method	TBLASTX:Soybean
Start	18573	End	18860
GI	none	Score	262
Exons	18573..18860, 18577..18855		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o3.ts	Method	TBLASTX:Soybean
Start	18861	End	19074
GI	none	Score	89
Exons	18861..19064, 18861..19073, 18862..19074		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o2.tc	Method	TBLASTX:Cress
Start	19835	End	20058
GI	none	Score	56
Exons	19835..19924, 19837..20055, 19840..19902, 19877..20056, 19948..20058		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o4.tm	Method	TBLASTX:Maize
Start	20165	End	21338
GI	none	Score	155
Exons	20165..20296, 20168..20296, 20169..20297, 20170..20298, 20170..20298, 20901..21107, 20902..21108, 20906..21112, 20906..21124, 21246..21338		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o4.ts	Method	TBLASTX:Soybean
Start	21023	End	21669
GI	none	Score	92
Exons	21023..21115, 21027..21113, 21241..21348, 21245..21340, 21246..21365, 21247..21342, 21418..21471, 21422..21469, 21547..21669, 21549..21668		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o3.tc	Method	TBLASTX:Cress

Start	21574	End	21734
GI	none	Score	89
Exons	21574..21708, 21576..21734		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o8.tm	Method	TBLASTX:Maize
Start	21576	End	21734
GI	none	Score	195
Exons	21576..21734		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o7.tm	Method	TBLASTX:Maize
Start	33736	End	34491
GI	none	Score	82
Exons	33736..33816, 33741..33815, 33742..33816, 34248..34379, 34249..34452, 34256..34384, 34404..34484, 34405..34485, 34407..34490, 34417..34491		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o5.tm	Method	TBLASTX:Maize
Start	35377	End	37622
GI	none	Score	134
Exons	35377..35547, 35377..35544, 35379..35546, 35411..35551, 35412..35558, 37384..37509, 37385..37516, 37386..37526, 37386..37529, 37527..37622, 37530..37613, 37531..37617		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o3.tm	Method	TBLASTX:Maize
Start	38542	End	38760
GI	none	Score	218
Exons	38542..38760, 38544..38750, 38545..38751		

Seq. No.	49213	Seq. ID	OJ990323_18.0419.C5
Gene No.	104773	Strand	-
Start	45123	End	46834
Name	OJ990323_18.0419.C5.o10.gs	Method	GENSCAN
Start	45123	End	46834
GI	none	Score	.59
Exons	45123..45345, 45417..45577, 45637..45696, 46622..46705, 46829..46834		

Seq. No.	49214	Seq. ID	OJ990323_18.0419.C6
Gene No.	104774	Strand	-
Start	495	End	1095
Name	OJ990323_18.0419.C6.o1.gs	Method	GENSCAN
Start	495	End	958
GI	none	Score	.84
Exons	495..726, 811..958		

Seq. No.	49214	Seq. ID	OJ990323_18.0419.C6
Gene No.	104774	Strand	-
Start	495	End	1095
Name	OJ990323_18.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	495	End	892
GI	none	Score	283
Exons	495..728, 495..569, 496..726, 638..757, 800..880, 801..881, 805..885, 809..892, 823..888		

Seq. No.	49214	Seq. ID	OJ990323_18.0419.C6
Gene No.	104774	Strand	-
Start	495	End	1095
Name	OJ990323_18.0419.C6.o1.gp	Method	AAT/GAP
Start	495	End	718
GI	none	Score	418
Exons	495..718		

Seq. No.	49214	Seq. ID	OJ990323_18.0419.C6
Gene No.	104774	Strand	-
Start	495	End	1095
Name	OJ990323_18.0419.C6.o1.tc	Method	TBLASTX:Cress
Start	506	End	1053
GI	none	Score	56
Exons	506..595, 508..726, 511..573, 548..727, 619..729, 821..916, 823..909, 1006..1053		

Seq. No.	49214	Seq. ID	OJ990323_18.0419.C6
Gene No.	104774	Strand	-
Start	495	End	1095
Name	OJ990323_18.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	886	End	1095
GI	none	Score	104
Exons	886..1095, 991..1092		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104775	Strand	+
Start	708	End	18934
Name	OJ990323_18.0419.C7.o1.gs	Method	GENSCAN
Start	708	End	18934
GI	none	Score	.81
Exons	708..843, 2583..2680, 2770..2841, 2926..3122, 3446..3592, 4007..4230, 5357..5518, 6194..6308, 6528..6694, 7681..7898, 8009..8066, 8655..8736, 8939..9101, 9132..9270, 9671..9779, 9863..10442, 10536..10668, 10774..10842, 11078..11289, 11548..11785, 12122..12304, 12395..12820, 12904..13341, 13460..13606, 13678..14160, 14365..14903, 15072..15561, 15730..15798, 16834..17052, 17148..17402, 17496..17545, 18069..18178, 18266..18348, 18454..18666, 18764..18934		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104775	Strand	+
Start	708	End	18934
Name	OJ990323_18.0419.C7.o1.gp	Method	AAT/GAP
Start	935	End	3611
GI	none	Score	987
Exons	935..984, 2583..2680, 2770..2841, 2950..3122, 3446..3611		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104775	Strand	+
Start	708	End	18934
Name	OJ990323_18.0419.C7.o1.np	Method	AAT/NAP
Start	6313	End	18931
GI	6822074	Score	5202
Exons	6313..6364, 6600..6694, 7681..7898, 8009..8066, 8655..8736, 8939..9307, 9693..9779, 9863..10442, 10536..10668, 10774..10842, 11078..11289, 11548..11785, 12122..12280, 12395..12820, 12904..13341, 13487..13606, 13678..14105, 14349..14903, 15072..15561, 15730..15798, 16629..16733, 16834..17052, 17148..17402, 17496..17545, 18069..18178, 18266..18348, 18421..18666, 18785..18931		
GI Descrip.	(AL132957) TATA box binding protein (TBP) associated factor (TAF)-like protein [Arabidopsis thaliana]		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104775	Strand	+
Start	708	End	18934
Name	OJ990323_18.0419.C7.o2.gp	Method	AAT/GAP
Start	15329	End	16947
GI	10281_1.R1084	Score	898
Exons	15329..15561, 15730..15798, 16629..16733, 16834..16947		
GI Descrip.	'2920587 7.0e-19 (AF038362) TBP-associated factor 172 [Homo sapiens] >gi_2995136_emb_CAA04475_ (AJ001017) TAFII170 [Homo sapiens]'		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104775	Strand	+
Start	708	End	18934
Name	OJ990323_18.0419.C7.o3.gp	Method	AAT/GAP
Start	18463	End	18837
GI	568751	Score	532
Exons	18463..18666, 18764..18837		
GI Descrip.	2920587 7.0e-19 (AF038362) TBP-associated factor 172 [Homo sapiens] >gi_2995136_emb_CAA04475_ (AJ001017) TAFII170 [Homo sapiens]		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104776	Strand	+
Start	23604	End	37792
Name	OJ990323_18.0419.C7.o2.np	Method	AAT/NAP
Start	23604	End	37792
GI	7489084	Score	1436
Exons	23604..23686, 24191..24884, 25986..26429, 26652..26949, 27073..27335, 35226..36655, 36915..36962, 37740..37792		
GI Descrip.	disease resistance protein Cf-2.2 - currant tomato gi|1184077|gb|AAC15780.1| (U42445) Cf-2.2 [Lycopersicon pimpinellifolium]		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104776	Strand	+
Start	23604	End	37792
Name	OJ990323_18.0419.C7.o4.gs	Method	GENSCAN
Start	32841	End	36698
GI	none	Score	.88
Exons	32841..32938, 33042..33211, 34498..36698		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104777	Strand	-
Start	18876	End	19248
Name	OJ990323_18.0419.C7.o4.gp	Method	AAT/GAP
Start	18876	End	19248
GI	uC-osrocyp005b05a1	Score	742
Exons	18876..19248		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104778	Strand	-
Start	23603	End	23665
Name	OJ990323_18.0419.C7.o5.gp	Method	AAT/GAP
Start	23603	End	23665
GI	2312838	Score	66
Exons	23603..23665		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104779	Strand	-
Start	29555	End	31527
Name	OJ990323_18.0419.C7.o3.gs	Method	GENSCAN
Start	29555	End	31527
GI	none	Score	.92
Exons	29555..29980, 30017..30094, 30263..30490, 31073..31205, 31415..31527		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o4.tm	Method	TBLASTX:Maize
Start	695	End	4230
GI	none	Score	102
Exons	695..838, 706..846, 706..819, 707..856, 922..987, 922..996, 927..992, 2577..2681, 2581..2682, 2583..2696, 2587..2685, 2767..2841, 2768..2842, 2770..2856, 2805..2843, 2900..3061, 2935..3060, 2948..3064, 3047..3118, 3049..3135, 3050..3121, 3429..3482, 3448..3603, 3512..3601, 4027..4134, 4027..4125, 4028..4138, 4096..4212, 4142..4210, 4201..4230		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o9.tm	Method	TBLASTX:Maize
Start	7091	End	7428
GI	none	Score	96
Exons	7091..7318, 7092..7319, 7329..7424, 7330..7428		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o10.tm	Method	TBLASTX:Maize
Start	9040	End	9180
GI	none	Score	143

Exons	9040..9174, 9041..9178, 9042..9179, 9043..9180		
Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o2.tm	Method	TBLASTX:Maize
Start	13815	End	14848
GI	none	Score	119
Exons	13815..13922, 13815..13934, 13816..13938, 13916..14140, 13926..14147, 13926..14168, 13927..14163, 14353..14664, 14355..14642, 14356..14664, 14366..14677, 14657..14848, 14658..14843, 14665..14847		
Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o2.ts	Method	TBLASTX:Soybean
Start	14508	End	15162
GI	none	Score	229
Exons	14508..14888, 14508..14807, 14510..14881, 14515..14904, 14794..14904, 15069..15161, 15069..15161, 15070..15162, 15070..15162		
Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o3.tm	Method	TBLASTX:Maize
Start	14851	End	15309
GI	none	Score	73
Exons	14851..14904, 14852..14905, 15057..15167, 15057..15308, 15058..15309, 15070..15309		
Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	15178	End	18934
GI	none	Score	39
Exons	15178..15228, 15217..15549, 15234..15557, 15235..15561, 15724..15798, 15726..15803, 16622..16735, 16626..16754, 16833..16913, 16834..17094, 17139..17276, 17259..17402, 17493..17543, 18066..18173, 18067..18177, 18070..18177, 18264..18341, 18265..18348, 18266..18349, 18451..18666, 18453..18665, 18818..18904, 18826..18924, 18845..18934		
Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	15349	End	18321
GI	none	Score	296
Exons	15349..15561, 15351..15560, 15355..15561, 15395..15562, 15724..15798, 15727..15798, 15729..15812, 16625..16735, 16626..16754, 16823..17062, 16834..17061, 17139..17402, 17139..17402, 17146..17403, 17493..17543, 17494..17544, 17495..17545, 18066..18173, 18067..18177, 18070..18177, 18074..18178, 18264..18320, 18265..18321, 18265..18321		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o3.tc	Method	TBLASTX:Cress
Start	17139	End	18348
GI	none	Score	85
Exons	17139..17276, 17147..17203, 17259..17408, 17279..17401, 17495..17545, 17496..17543, 18066..18173, 18067..18177, 18070..18177, 18264..18323, 18265..18324, 18265..18324, 18325..18348		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o7.tm	Method	TBLASTX:Maize
Start	18490	End	18934
GI	none	Score	254
Exons	18490..18672, 18492..18665, 18493..18666, 18807..18932, 18812..18934, 18813..18887, 18845..18934		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o2.tc	Method	TBLASTX:Cress
Start	24202	End	36404
GI	none	Score	44
Exons	24202..24279, 24286..24342, 24310..24570, 24334..24456, 24388..24681, 24390..24590, 24397..24867, 24400..24867, 24400..24825, 24415..24867, 24442..24756, 24463..24642, 24463..24867, 24481..24597, 24544..24714, 24586..24867, 24607..24786, 25765..25923, 25932..26009, 25938..26009, 25941..25991, 25971..26192, 25983..26258, 25986..26132, 25986..26267, 25992..26258, 25995..26273, 26058..26267, 26109..26258, 26133..26333, 26271..26423, 26277..26405, 26286..26417, 26286..26423, 26286..26423, 26297..26416, 26298..26489, 26301..26432, 26307..26405, 26442..26492, 26442..26549, 26445..26612, 26493..26621, 26499..26618, 26499..26618, 26499..26618, 26502..26618, 26502..26618, 26502..26618, 26520..26618, 26537..26617, 26688..26774, 26688..26783, 26688..26783, 26688..26780, 26721..26771, 26796..26945, 26799..26939, 27069..27329, 27069..27266, 27075..27245, 27075..27266, 27075..27203, 27075..27329, 27075..27257, 27075..27203, 27075..27134, 27081..27329, 27084..27383, 27105..27329, 27126..27266, 34473..34607, 34614..34670, 34638..34898, 34662..34784, 34716..34907, 34728..34898, 34728..34907, 34743..34907, 34791..34907, 34938..34988, 35007..35081, 35025..35123, 35025..35072, 35033..35113, 35034..35219, 35097..35339, 35100..35378, 35262..35438, 35274..35363, 35331..35570, 35366..35584, 35373..35582, 35376..35714, 35379..35621, 35382..35591, 35388..35651, 35391..35582, 35399..35521, 35403..35507, 35406..35582, 35412..35591, 35595..35723, 35601..35720, 35601..35813, 35601..35720, 35604..35720, 35604..35672, 35613..35720, 35613..35720, 35622..35720, 35784..35876, 35889..36041, 35904..36041, 36150..36332, 36150..36332, 36150..36404, 36150..36278, 36150..36209, 36152..36349,		

36156..36332, 36180..36404, 36201..36404, 36371..36403

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o6.tm	Method	TBLASTX:Maize
Start	24394	End	36410
GI	none	Score	279
Exons	24394..24825, 24400..24765, 24472..24867, 25983..26258, 25995..26258, 26003..26257, 26067..26267, 26090..26188, 26496..26624, 26496..26618, 26688..26786, 26799..26945, 27075..27257, 27075..27266, 27075..27257, 27081..27335, 34722..34907, 34728..34904, 34728..34907, 35022..35081, 35025..35090, 35100..35312, 35100..35363, 35172..35372, 35379..35591, 35784..35894, 35910..36044, 36141..36341, 36150..36209, 36150..36341, 36150..36341, 36156..36410, 36210..36341, 36248..36409		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o3.ts	Method	TBLASTX:Soybean
Start	24397	End	36455
GI	none	Score	178
Exons	24397..24600, 24400..24663, 24409..24744, 24415..24807, 24423..24590, 24429..24734, 24487..24864, 24495..24734, 24559..24867, 25992..26192, 25995..26258, 26091..26267, 26271..26432, 26496..26618, 26688..26798, 27069..27200, 27078..27329, 27081..27329, 27357..27380, 34725..34904, 34725..34847, 34728..34907, 34737..34907, 35097..35297, 35100..35402, 35109..35363, 35115..35420, 35376..35591, 35406..35609, 35598..35720, 35771..35866, 35784..35870, 36150..36272, 36153..36404, 36156..36404, 36432..36455		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o1.tw	Method	TBLASTX:Wheat
Start	24607	End	36479
GI	none	Score	157
Exons	24607..24867, 26004..26258, 26036..26185, 26058..26267, 26502..26627, 27011..27316, 27012..27404, 34716..34847, 34728..34907, 34791..34907, 34994..35080, 35096..35158, 36087..36479, 36092..36478		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o8.tm	Method	TBLASTX:Maize
Start	28324	End	37676
GI	none	Score	166
Exons	28324..28515, 28326..28535, 28326..28526, 30278..30379, 30291..30353, 37371..37499, 37387..37644, 37389..37670, 37566..37676		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-

Start	37377	End	39964
Name	OJ990323_18.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	28326	End	39826
GI	none	Score	92
Exons	28326..28424, 37389..37487, 39151..39240, 39220..39324, 39442..39543, 39553..39594, 39687..39824, 39692..39826		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o5.gs	Method	GENSCAN
Start	37377	End	39937
GI	none	Score	.95
Exons	37377..37813, 39153..39315, 39397..39591, 39743..39937		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o3.np	Method	AAT/NAP
Start	37386	End	39964
GI	4204761	Score	728
Exons	37386..37813, 39153..39315, 39397..39591, 39686..39964		
GI Descrip.	(U51192) peroxidase precursor [Glycine max]		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o4.ts	Method	TBLASTX:Soybean
Start	37389	End	39826
GI	none	Score	44
Exons	37389..37502, 37560..37712, 37761..37817, 39151..39321, 39152..39238, 39278..39316, 39442..39594, 39443..39592, 39692..39826		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o5.tm	Method	TBLASTX:Maize
Start	37773	End	39823
GI	none	Score	79
Exons	37773..37817, 39151..39321, 39152..39316, 39442..39594, 39687..39815, 39692..39823		

Seq. No.	49215	Seq. ID	OJ990323_18.0419.C7
Gene No.	104780	Strand	-
Start	37377	End	39964
Name	OJ990323_18.0419.C7.o2.tw	Method	TBLASTX:Wheat
Start	39406	End	39826
GI	none	Score	72
Exons	39406..39513, 39442..39543, 39559..39594, 39687..39824, 39692..39826		

Seq. No.	49216	Seq. ID	OJ990323_18.0419.C8
Gene No.	104781	Strand	-
Start	764	End	1117
Name	OJ990323_18.0419.C8.o1.gp	Method	AAT/GAP
Start	764	End	1117

GI	294_8.R1084	Score	520
Exons	764..1117		
GI Descrip.	'1332579/emb|CAA66667| 3.0e-75 (X98063) polyubiquitin [Pinus sylvestris]'		

Seq. No.	49217	Seq. ID	OJ990323_18.0419.C10
Gene No.	104782	Strand	+
Start	6317	End	10251
Name	OJ990323_18.0419.C10.o2.np	Method	AAT/NAP
Start	6317	End	10251
GI	5080823	Score	17
Exons	6317..6458, 6514..6688, 10201..10251		
GI Descrip.	(AC007258) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49217	Seq. ID	OJ990323_18.0419.C10
Gene No.	104783	Strand	-
Start	779	End	7786
Name	OJ990323_18.0419.C10.o1.np	Method	AAT/NAP
Start	779	End	6977
GI	2281090	Score	674
Exons	779..825, 1949..2663, 2760..2998, 3492..3694, 3769..3891, 3982..4065, 6898..6977		
GI Descrip.	(AC002333) unknown protein [Arabidopsis thaliana]		

Seq. No.	49217	Seq. ID	OJ990323_18.0419.C10
Gene No.	104783	Strand	-
Start	779	End	7786
Name	OJ990323_18.0419.C10.o2.gs	Method	GENSCAN
Start	1830	End	7786
GI	none	Score	.76
Exons	1830..2663, 2760..2995, 3495..3694, 3769..4285, 4363..5050, 5814..5907, 6457..6619, 6631..6776, 7600..7684, 7732..7786		

Seq. No.	49217	Seq. ID	OJ990323_18.0419.C10
Gene No.	104783	Strand	-
Start	779	End	7786
Name	OJ990323_18.0419.C10.o2.tm	Method	TBLASTX:Maize
Start	2133	End	2402
GI	none	Score	90
Exons	2133..2402, 2140..2253, 2163..2366		

Seq. No.	49217	Seq. ID	OJ990323_18.0419.C10
Gene No.	104783	Strand	-
Start	779	End	7786
Name	OJ990323_18.0419.C10.o1.ts	Method	TBLASTX:Soybean
Start	2196	End	2825
GI	none	Score	222
Exons	2196..2390, 2415..2642, 2428..2685, 2463..2693, 2757..2825		

Seq. No.	49217	Seq. ID	OJ990323_18.0419.C10
Gene No.	104783	Strand	-
Start	779	End	7786
Name	OJ990323_18.0419.C10.o1.tc	Method	TBLASTX:Cress
Start	2441	End	2897
GI	none	Score	202
Exons	2441..2629, 2448..2639, 2449..2631, 2760..2897		

Seq. No.	49217	Seq. ID	OJ990323_18.0419.C10
Gene No.	104783	Strand	-
Start	779	End	7786
Name	OJ990323_18.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	2451	End	3008
GI	none	Score	197
Exons	2451..2639, 2455..2631, 2760..3008		

Seq. No.	49217	Seq. ID	OJ990323_18.0419.C10
Gene No.	104783	Strand	-
Start	779	End	7786
Name	OJ990323_18.0419.C10.o2.ts	Method	TBLASTX:Soybean
Start	2832	End	3869
GI	none	Score	61
Exons	2832..3002, 2845..3003, 3493..3630, 3493..3642, 3622..3690, 3637..3717, 3768..3869, 3775..3867, 3782..3868		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104784	Strand	+
Start	342	End	770
Name	OJ990323_18.0419.C11.o1.gs	Method	GENSCAN
Start	342	End	770
GI	none	Score	.73
Exons	342..770		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104785	Strand	+
Start	1960	End	3441
Name	OJ990323_18.0419.C11.o1.np	Method	AAT/NAP
Start	1960	End	3429
GI	7446373	Score	1969
Exons	1960..2813, 2898..3429		
GI Descrip.	probable serine/threonine protein kinase (EC 2.7.1.-) SNFL3 - sorghum gi|3256035|emb|CAA74646.1| (Y14274) putative serine/threonine protein kinase [Sorghum bicolor]		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104785	Strand	+
Start	1960	End	3441
Name	OJ990323_18.0419.C11.o2.gs	Method	GENSCAN
Start	1960	End	3441
GI	none	Score	.97
Exons	1960..3441		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104786	Strand	+
Start	11012	End	12318
Name	OJ990323_18.0419.C11.o4.gs	Method	GENSCAN
Start	11012	End	12318
GI	none	Score	.94
Exons	11012..11078, 12134..12318		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104787	Strand	+
Start	15278	End	16706
Name	OJ990323_18.0419.C11.o6.gs	Method	GENSCAN
Start	15278	End	16659

GI	none	Score	.43
Exons	15278..15400, 15594..15624, 15880..16101, 16183..16257, 16538..16659		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104787	Strand	+
Start	15278	End	16706
Name	OJ990323_18.0419.C11.o2.np	Method	AAT/NAP
Start	15948	End	16706
GI	6815052	Score	504
Exons	15948..16101, 16183..16257, 16538..16706		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104788	Strand	+
Start	20525	End	21303
Name	OJ990323_18.0419.C11.o8.gs	Method	GENSCAN
Start	20525	End	21303
GI	none	Score	.96
Exons	20525..20870, 20879..21303		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104789	Strand	-
Start	4555	End	7514
Name	OJ990323_18.0419.C11.o3.gs	Method	GENSCAN
Start	4555	End	7514
GI	none	Score	.54
Exons	4555..4727, 6002..6062, 7281..7514		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104790	Strand	-
Start	12639	End	14051
Name	OJ990323_18.0419.C11.o5.gs	Method	GENSCAN
Start	12639	End	14051
GI	none	Score	1
Exons	12639..12784, 13919..14051		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104791	Strand	-
Start	18768	End	21087
Name	OJ990323_18.0419.C11.o7.gs	Method	GENSCAN
Start	18768	End	20100
GI	none	Score	.82
Exons	18768..19333, 19510..19636, 19717..20100		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104791	Strand	-
Start	18768	End	21087
Name	OJ990323_18.0419.C11.o3.np	Method	AAT/NAP
Start	18875	End	21087
GI	5734775	Score	1249
Exons	18875..19333, 19484..20136, 20549..20859, 20949..21087		
GI Descrip.	(AC007980) 38745 [Arabidopsis thaliana]		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049

Name	OJ990323_18.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	1950	End	3342
GI	none	Score	1030
Exons	1950..2348, 1960..2763, 2170..2736, 2397..2762, 2959..3036, 2961..3149, 3144..3338, 3145..3342		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o1.tc	Method	TBLASTX:Cress
Start	1957	End	3347
GI	none	Score	982
Exons	1957..2850, 1960..2067, 1983..2174, 2164..2643, 2235..2753, 2908..3156, 2979..3152, 3208..3345, 3249..3347		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	1972	End	3350
GI	none	Score	80
Exons	1972..2034, 1995..2033, 2013..2348, 2014..2760, 2400..2753, 2854..3003, 2970..3350, 2995..3036, 3067..3345		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o2.tw	Method	TBLASTX:Wheat
Start	2125	End	2415
GI	none	Score	138
Exons	2125..2265, 2266..2415		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o3.tw	Method	TBLASTX:Wheat
Start	2560	End	2760
GI	none	Score	189
Exons	2560..2760		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o2.ts	Method	TBLASTX:Soybean
Start	18872	End	21040
GI	none	Score	59
Exons	18872..19285, 18893..19000, 19113..19268, 19455..19652, 19481..19651, 19699..19743, 19700..19741, 19756..20127, 19766..20119, 20603..20866, 20667..20873, 20959..21039, 20960..21040		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o2.tc	Method	TBLASTX:Cress
Start	18887	End	21045
GI	none	Score	159

Exons	18887..19285, 19113..19268, 19464..19652, 19481..19651, 19699..19743, 19756..20127, 19766..20125, 20603..20866, 20667..20873, 20959..21045, 20960..21037		
Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o2.tm	Method	TBLASTX:Maize
Start	18890	End	19782
GI	none	Score	82
Exons	18890..19336, 18899..19000, 18900..19028, 19098..19334, 19484..19651, 19485..19652, 19699..19743, 19700..19744, 19756..19782		
Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o1.tw	Method	TBLASTX:Wheat
Start	18912	End	19264
GI	none	Score	84
Exons	18912..19028, 18914..19264, 19104..19262		
Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o7.tm	Method	TBLASTX:Maize
Start	19795	End	20040
GI	none	Score	129
Exons	19795..20040, 19838..20038		
Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o6.tm	Method	TBLASTX:Maize
Start	20639	End	21046
GI	none	Score	154
Exons	20639..20866, 20661..20867, 20959..21045, 20960..21046		
Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o3.ts	Method	TBLASTX:Soybean
Start	22393	End	22717
GI	none	Score	78
Exons	22393..22716, 22568..22717		
Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o3.tm	Method	TBLASTX:Maize
Start	22499	End	23017
GI	none	Score	131
Exons	22499..22585, 22504..22596, 22607..22744, 22608..22790, 22609..22794, 22627..22773, 22810..23007, 22810..23007, 22829..23017		
Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11

Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o5.np	Method	AAT/NAP
Start	29688	End	32049
GI	4689479	Score	99
Exons	29688..29724, 31934..32049		
GI Descrip.	(AC007213) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o4.tm	Method	TBLASTX:Maize
Start	30367	End	31048
GI	none	Score	57
Exons	30367..30441, 30438..30473, 30442..30486, 30443..30487, 30464..30646, 30495..30815, 30498..30731, 30505..30816, 30703..30816, 30774..30818, 30860..31021, 30878..31048		

Seq. No.	49218	Seq. ID	OJ990323_18.0419.C11
Gene No.	104792	Strand	-
Start	29688	End	32049
Name	OJ990323_18.0419.C11.o5.tm	Method	TBLASTX:Maize
Start	31783	End	32040
GI	none	Score	79
Exons	31783..31854, 31784..31864, 31846..32037, 31940..32038, 31967..32038, 31969..32040		

Seq. No.	49219	Seq. ID	OJ990323_18.0419.C12
Gene No.	104793	Strand	+
Start	305	End	2323
Name	OJ990323_18.0419.C12.o1.gs	Method	GENSCAN
Start	305	End	2323
GI	none	Score	.49
Exons	305..588, 634..690, 1948..2032, 2303..2323		

Seq. No.	49219	Seq. ID	OJ990323_18.0419.C12
Gene No.	104794	Strand	-
Start	3303	End	3928
Name	OJ990323_18.0419.C12.o2.gs	Method	GENSCAN
Start	3303	End	3928
GI	none	Score	.81
Exons	3303..3665, 3782..3928		

Seq. No.	49219	Seq. ID	OJ990323_18.0419.C12
Gene No.	104795	Strand	-
Start	4230	End	4480
Name	OJ990323_18.0419.C12.o1.gp	Method	AAT/GAP
Start	4230	End	4480
GI	2428313	Score	468
Exons	4230..4480		

Seq. No.	49220	Seq. ID	OJ990303_10.0420.C3
Gene No.	104796	Strand	+
Start	606	End	2159
Name	OJ990303_10.0420.C3.o1.ts	Method	TBLASTX:Soybean
Start	523	End	1977
GI	none	Score	35

Exons	523..546, 607..696, 859..966, 868..969, 1795..1977, 1797..1967		
Seq. No.	49220	Seq. ID	OJ990303_10.0420.C3
Gene No.	104796	Strand	+
Start	606	End	2159
Name	OJ990303_10.0420.C3.o1.np	Method	AAT/NAP
Start	606	End	2159
GI	2632103	Score	374
Exons	606..696, 865..969, 1798..1976, 2141..2159		
GI Descrip.	(Z98759) arginyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	49220	Seq. ID	OJ990303_10.0420.C3
Gene No.	104796	Strand	+
Start	606	End	2159
Name	OJ990303_10.0420.C3.o1.tm	Method	TBLASTX:Maize
Start	607	End	1988
GI	none	Score	117
Exons	607..696, 610..687, 845..970, 865..969, 1795..1977, 1797..1982, 1797..1988		

Seq. No.	49220	Seq. ID	OJ990303_10.0420.C3
Gene No.	104796	Strand	+
Start	606	End	2159
Name	OJ990303_10.0420.C3.o1.gs	Method	GENSCAN
Start	613	End	2140
GI	none	Score	.88
Exons	613..696, 865..969, 1798..1976, 2095..2140		

Seq. No.	49220	Seq. ID	OJ990303_10.0420.C3
Gene No.	104796	Strand	+
Start	606	End	2159
Name	OJ990303_10.0420.C3.o1.tc	Method	TBLASTX:Cress
Start	1828	End	1988
GI	none	Score	180
Exons	1828..1977, 1830..1988		

Seq. No.	49220	Seq. ID	OJ990303_10.0420.C3
Gene No.	104796	Strand	+
Start	606	End	2159
Name	OJ990303_10.0420.C3.o1.gp	Method	AAT/GAP
Start	1845	End	1976
GI	25345_1.R1084	Score	282
Exons	1845..1976		
GI Descrip.	'2632105/emb|CAB11468| 1.0e-114 (Z98760) arginyl-tRNA synthetase [Arabidopsis thaliana] >gi_4539426_emb_CAB38959.1_ (AL049171) arginyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	49221	Seq. ID	OJ990303_10.0420.C4
Gene No.	104797	Strand	+
Start	1	End	1523
Name	OJ990303_10.0420.C4.o1.gp	Method	AAT/GAP
Start	1	End	1198
GI	25345_1.R1084	Score	439
Exons	1..34, 357..446, 632..700, 1132..1198		
GI Descrip.	'2632105/emb|CAB11468| 1.0e-114 (Z98760) arginyl-tRNA synthetase [Arabidopsis thaliana] >gi_4539426_emb_CAB38959.1_ (AL049171) arginyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	49221	Seq. ID	OJ990303_10.0420.C4
Gene No.	104797	Strand	+
Start	1	End	1523
Name	OJ990303_10.0420.C4.o1.np	Method	AAT/NAP
Start	1	End	1523
GI	7437759	Score	416
Exons	1..34, 357..446, 632..700, 1132..1230, 1416..1523		
GI Descrip.	arginine--tRNA ligase (EC 6.1.1.19) - Arabidopsis thaliana gi|2632105|emb|CAB11468.1| (Z98760) arginyl-tRNA synthetase [Arabidopsis thaliana] gi|4539426|emb|CAB38959.1| (AL049171) arginyl-tRNA synthetase [Arabidopsis thaliana] gi|7269482|emb|CAB79485.1| (AL161565) arginyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	49221	Seq. ID	OJ990303_10.0420.C4
Gene No.	104797	Strand	+
Start	1	End	1523
Name	OJ990303_10.0420.C4.o1.gs	Method	GENSCAN
Start	357	End	1492
GI	none	Score	.74
Exons	357..446, 632..700, 1132..1264, 1416..1492		

Seq. No.	49222	Seq. ID	OJ990303_10.0420.C5
Gene No.	104798	Strand	-
Start	218	End	719
Name	OJ990303_10.0420.C5.o1.gs	Method	GENSCAN
Start	218	End	662
GI	none	Score	.7
Exons	218..472, 555..662		

Seq. No.	49222	Seq. ID	OJ990303_10.0420.C5
Gene No.	104798	Strand	-
Start	218	End	719
Name	OJ990303_10.0420.C5.o1.tm	Method	TBLASTX:Maize
Start	218	End	686
GI	none	Score	61
Exons	218..397, 238..288, 264..392, 567..686, 573..686		

Seq. No.	49222	Seq. ID	OJ990303_10.0420.C5
Gene No.	104798	Strand	-
Start	218	End	719
Name	OJ990303_10.0420.C5.o1.tc	Method	TBLASTX:Cress
Start	218	End	686
GI	none	Score	119
Exons	218..391, 267..392, 513..686, 570..686		

Seq. No.	49222	Seq. ID	OJ990303_10.0420.C5
Gene No.	104798	Strand	-
Start	218	End	719
Name	OJ990303_10.0420.C5.o1.np	Method	AAT/NAP
Start	221	End	719
GI	7543887	Score	353
Exons	221..436, 513..719		
GI Descrip.	(AL138639) nucleic acid binding protein-like [Arabidopsis thaliana]		

Seq. No.	49222	Seq. ID	OJ990303_10.0420.C5
Gene No.	104798	Strand	-
Start	218	End	719
Name	OJ990303_10.0420.C5.o1.ts	Method	TBLASTX:Soybean
Start	224	End	684
GI	none	Score	186
Exons	224..397, 264..395, 573..683,	631..684	

Seq. No.	49222	Seq. ID	OJ990303_10.0420.C5
Gene No.	104798	Strand	-
Start	218	End	719
Name	OJ990303_10.0420.C5.o1.tw	Method	TBLASTX:Wheat
Start	230	End	397
GI	none	Score	53
Exons	230..397, 241..285, 264..395		

Seq. No.	49223	Seq. ID	OJ990303_10.0420.C6
Gene No.	104799	Strand	-
Start	128	End	1639
Name	OJ990303_10.0420.C6.o1.np	Method	AAT/NAP
Start	128	End	1639
GI	6016679	Score	152
Exons	128..149, 1486..1639		
GI Descrip.	(AC009991) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	49223	Seq. ID	OJ990303_10.0420.C6
Gene No.	104799	Strand	-
Start	128	End	1639
Name	OJ990303_10.0420.C6.o1.tm	Method	TBLASTX:Maize
Start	1500	End	1638
GI	none	Score	160
Exons	1500..1637, 1506..1637, 1543..1638		

Seq. No.	49223	Seq. ID	OJ990303_10.0420.C6
Gene No.	104799	Strand	-
Start	128	End	1639
Name	OJ990303_10.0420.C6.o1.ts	Method	TBLASTX:Soybean
Start	1500	End	1638
GI	none	Score	96
Exons	1500..1637, 1509..1637, 1543..1638		

Seq. No.	49224	Seq. ID	OJ990303_10.0420.C7
Gene No.	104800	Strand	+
Start	45	End	224
Name	OJ990303_10.0420.C7.o1.gs	Method	GENSCAN
Start	45	End	224
GI	none	Score	.89
Exons	45..224		

Seq. No.	49224	Seq. ID	OJ990303_10.0420.C7
Gene No.	104801	Strand	-
Start	1637	End	3458
Name	OJ990303_10.0420.C7.o2.gs	Method	GENSCAN
Start	1637	End	3065
GI	none	Score	.91
Exons	1637..1737, 2455..2620, 2823..3065		

Seq. No.	49224	Seq. ID	OJ990303_10.0420.C7
Gene No.	104801	Strand	-
Start	1637	End	3458
Name	OJ990303_10.0420.C7.o1.gp	Method	AAT/GAP
Start	2325	End	3458
GI	3447_1.R1084	Score	1489
Exons	2325..2620, 2823..3065, 3159..3458		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	49224	Seq. ID	OJ990303_10.0420.C7
Gene No.	104801	Strand	-
Start	1637	End	3458
Name	OJ990303_10.0420.C7.o1.np	Method	AAT/NAP
Start	2338	End	3458
GI	5091509	Score	1228
Exons	2338..2620, 2823..3065, 3159..3458		
GI Descrip.	(AB023482) EST AU065533(C2174) corresponds to a region of the predicted gene.; Similar to Homo sapiens splicing factor Prp8 mRNA, complete cds.(AF092565) [Oryza sativa]		

Seq. No.	49224	Seq. ID	OJ990303_10.0420.C7
Gene No.	104801	Strand	-
Start	1637	End	3458
Name	OJ990303_10.0420.C7.o1.tm	Method	TBLASTX:Maize
Start	2355	End	3443
GI	none	Score	218
Exons	2355..2630, 2429..2638, 2429..2626, 2431..2631, 2820..3068, 2823..3068, 2824..3075, 2825..3100, 3157..3438, 3157..3438, 3159..3443		

Seq. No.	49224	Seq. ID	OJ990303_10.0420.C7
Gene No.	104801	Strand	-
Start	1637	End	3458
Name	OJ990303_10.0420.C7.o1.ts	Method	TBLASTX:Soybean
Start	2423	End	3446
GI	none	Score	40
Exons	2423..2461, 2459..2626, 2465..2533, 2487..2630, 2512..2631, 2807..3067, 2820..3068, 2821..3078, 2944..3066, 3155..3256, 3157..3438, 3159..3443, 3163..3387, 3171..3446, 3405..3443		

Seq. No.	49224	Seq. ID	OJ990303_10.0420.C7
Gene No.	104801	Strand	-
Start	1637	End	3458
Name	OJ990303_10.0420.C7.o2.tc	Method	TBLASTX:Cress
Start	2423	End	2698
GI	none	Score	73
Exons	2423..2635, 2441..2629, 2487..2636, 2624..2698		

Seq. No.	49224	Seq. ID	OJ990303_10.0420.C7
Gene No.	104801	Strand	-
Start	1637	End	3458
Name	OJ990303_10.0420.C7.o1.tc	Method	TBLASTX:Cress
Start	2854	End	3443
GI	none	Score	36
Exons	2854..2898, 2856..3068, 2947..3075, 3157..3219, 3159..3218,		

3203..3277, 3204..3278, 3205..3279, 3276..3443, 3277..3438, 3282..3440

Seq. No.	49225	Seq. ID	OJ990303_10.0420.C9
Gene No.	104802	Strand	+
Start	51	End	351
Name	OJ990303_10.0420.C9.o1.gs	Method	GENSCAN
Start	51	End	351
GI	none	Score	.53
Exons	51..206, 320..351		

Seq. No.	49225	Seq. ID	OJ990303_10.0420.C9
Gene No.	104803	Strand	-
Start	66	End	203
Name	OJ990303_10.0420.C9.o1.gp	Method	AAT/GAP
Start	66	End	203
GI	9553_1.R1084	Score	184
Exons	66..203		
GI Descrip.	'1657621 3.0e-23 (U72505) G6p [Arabidopsis thaliana] >gi_3068711 (AF049236) putative acyl-coA dehydrogenase [Arabidopsis thaliana] >gi_5478795_dbj_BAA82478.1_ (AB017643) Short-chain acyl CoA oxidase [Arabidopsis thaliana]'		

Seq. No.	49226	Seq. ID	OJ990303_10.0420.C12
Gene No.	104804	Strand	+
Start	1	End	3024
Name	OJ990303_10.0420.C12.o1.np	Method	AAT/NAP
Start	1	End	3024
GI	5091509	Score	4317
Exons	1..33, 355..868, 979..3024		
GI Descrip.	(AB023482) EST AU065533(C2174) corresponds to a region of the predicted gene.; Similar to Homo sapiens splicing factor Prp8 mRNA, complete cds.(AF092565) [Oryza sativa]		

Seq. No.	49226	Seq. ID	OJ990303_10.0420.C12
Gene No.	104804	Strand	+
Start	1	End	3024
Name	OJ990303_10.0420.C12.o1.gs	Method	GENSCAN
Start	318	End	2956
GI	none	Score	.62
Exons	318..868, 979..1000, 1146..2546, 2564..2956		

Seq. No.	49226	Seq. ID	OJ990303_10.0420.C12
Gene No.	104804	Strand	+
Start	1	End	3024
Name	OJ990303_10.0420.C12.o1.tc	Method	TBLASTX:Cress
Start	372	End	644
GI	none	Score	454
Exons	372..644, 377..580, 486..635		

Seq. No.	49226	Seq. ID	OJ990303_10.0420.C12
Gene No.	104804	Strand	+
Start	1	End	3024
Name	OJ990303_10.0420.C12.o3.tm	Method	TBLASTX:Maize
Start	1282	End	1478
GI	none	Score	137
Exons	1282..1461, 1286..1477, 1286..1444, 1287..1478		

Seq. No.	49226	Seq. ID	OJ990303_10.0420.C12
Gene No.	104804	Strand	+
Start	1	End	3024
Name	OJ990303_10.0420.C12.o1.tm	Method	TBLASTX:Maize
Start	1752	End	1996
GI	none	Score	388
Exons	1752..1976, 1754..1996, 1771..1980, 1775..1987		

Seq. No.	49226	Seq. ID	OJ990303_10.0420.C12
Gene No.	104804	Strand	+
Start	1	End	3024
Name	OJ990303_10.0420.C12.o2.tc	Method	TBLASTX:Cress
Start	2271	End	2541
GI	none	Score	253
Exons	2271..2423, 2271..2414, 2273..2422, 2419..2541, 2420..2539		

Seq. No.	49226	Seq. ID	OJ990303_10.0420.C12
Gene No.	104804	Strand	+
Start	1	End	3024
Name	OJ990303_10.0420.C12.o1.ts	Method	TBLASTX:Soybean
Start	2533	End	2824
GI	none	Score	347
Exons	2533..2814, 2534..2806, 2684..2824		

Seq. No.	49226	Seq. ID	OJ990303_10.0420.C12
Gene No.	104804	Strand	+
Start	1	End	3024
Name	OJ990303_10.0420.C12.o2.tm	Method	TBLASTX:Maize
Start	2580	End	2853
GI	none	Score	241
Exons	2580..2825, 2581..2853, 2582..2851		

Seq. No.	49226	Seq. ID	OJ990303_10.0420.C12
Gene No.	104804	Strand	+
Start	1	End	3024
Name	OJ990303_10.0420.C12.o3.tc	Method	TBLASTX:Cress
Start	2842	End	3024
GI	none	Score	283
Exons	2842..3024, 2843..3022		

Seq. No.	49227	Seq. ID	OJ990303_10.0420.C15
Gene No.	104805	Strand	-
Start	875	End	932
Name	OJ990303_10.0420.C15.o1.gs	Method	GENSCAN
Start	875	End	932
GI	none	Score	.6
Exons	875..932		

Seq. No.	49228	Seq. ID	OJ990303_10.0420.C16
Gene No.	104806	Strand	+
Start	1	End	1970
Name	OJ990303_10.0420.C16.o1.np	Method	AAT/NAP
Start	1	End	1882
GI	6120111	Score	489
Exons	1..109, 226..285, 846..1138, 1755..1882		
GI Descrip.	(AF190739) fructose-6-phosphate		

2-kinase/fructose-2,6-bisphosphatase [Arabidopsis thaliana]

Seq. No.	49228	Seq. ID	OJ990303_10.0420.C16
Gene No.	104806	Strand	+
Start	1	End	1970
Name	OJ990303_10.0420.C16.o2.ts	Method	TBLASTX:Soybean
Start	1	End	883
GI	none	Score	160
Exons	1..108, 1..99, 6..113, 203..277, 210..290, 845..883		

Seq. No.	49228	Seq. ID	OJ990303_10.0420.C16
Gene No.	104806	Strand	+
Start	1	End	1970
Name	OJ990303_10.0420.C16.o1.tc	Method	TBLASTX:Cress
Start	1	End	1129
GI	none	Score	149
Exons	1..108, 1..99, 6..104, 203..280, 210..290, 844..984, 845..985, 988..1128, 995..1129		

Seq. No.	49228	Seq. ID	OJ990303_10.0420.C16
Gene No.	104806	Strand	+
Start	1	End	1970
Name	OJ990303_10.0420.C16.o1.gs	Method	GENSCAN
Start	19	End	1970
GI	none	Score	.94
Exons	19..105, 222..285, 846..1144, 1755..1970		

Seq. No.	49228	Seq. ID	OJ990303_10.0420.C16
Gene No.	104806	Strand	+
Start	1	End	1970
Name	OJ990303_10.0420.C16.o1.tm	Method	TBLASTX:Maize
Start	222	End	1101
GI	none	Score	109
Exons	222..290, 224..289, 826..1101, 845..1099, 847..1101		

Seq. No.	49228	Seq. ID	OJ990303_10.0420.C16
Gene No.	104806	Strand	+
Start	1	End	1970
Name	OJ990303_10.0420.C16.o1.ts	Method	TBLASTX:Soybean
Start	884	End	1144
GI	none	Score	97
Exons	884..979, 889..972, 989..1144, 989..1129, 1006..1143		

Seq. No.	49229	Seq. ID	OJ990303_10.0420.C17
Gene No.	104807	Strand	+
Start	1	End	809
Name	OJ990303_10.0420.C17.o1.np	Method	AAT/NAP
Start	1	End	809
GI	6120111	Score	170
Exons	1..44, 353..451, 555..584, 768..809		
GI Descrip.	(AF190739) fructose-6-phosphate 2-kinase/fructose-2,6-bisphosphatase [Arabidopsis thaliana]		

Seq. No.	49229	Seq. ID	OJ990303_10.0420.C17
Gene No.	104807	Strand	+
Start	1	End	809
Name	OJ990303_10.0420.C17.o1.tm	Method	TBLASTX:Maize

Start	3	End	655
GI	none	Score	73
Exons	3..89, 5..46, 351..446, 352..450, 352..450, 353..451, 353..451, 552..584, 554..655		

Seq. No.	49230	Seq. ID	OJ990303_10.0420.C18
Gene No.	104808	Strand	+
Start	1	End	2665
Name	OJ990303_10.0420.C18.o1.np	Method	AAT/NAP
Start	1	End	2665
GI	7489707	Score	833
Exons	1..91, 701..732, 886..975, 1194..1277, 1415..1477, 1566..1657, 1963..2031, 2166..2229, 2301..2366, 2456..2665		
GI Descrip.	6-phosphofructo-2-kinase (EC 2.7.1.105) / fructose-2, 6-bisphosphate 2-phosphatase (EC 3.1.3.46) - maize (fragment) gi|2286155|gb|AAB64291.1| (AF007582) 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase [Zea mays]		

Seq. No.	49230	Seq. ID	OJ990303_10.0420.C18
Gene No.	104808	Strand	+
Start	1	End	2665
Name	OJ990303_10.0420.C18.o1.gs	Method	GENSCAN
Start	165	End	2533
GI	none	Score	.75
Exons	165..227, 1415..1477, 1566..1657, 2166..2229, 2301..2366, 2456..2533		

Seq. No.	49230	Seq. ID	OJ990303_10.0420.C18
Gene No.	104809	Strand	-
Start	3069	End	3719
Name	OJ990303_10.0420.C18.o1.ts	Method	TBLASTX:Soybean
Start	1593	End	2532
GI	none	Score	106
Exons	1593..1658, 1598..1660, 1598..1657, 1963..2034, 1964..2032, 2158..2238, 2163..2228, 2298..2366, 2301..2369, 2455..2532, 2456..2527		

Seq. No.	49230	Seq. ID	OJ990303_10.0420.C18
Gene No.	104809	Strand	-
Start	3069	End	3719
Name	OJ990303_10.0420.C18.o1.tm	Method	TBLASTX:Maize
Start	1601	End	2559
GI	none	Score	102
Exons	1601..1657, 1602..1658, 1602..1658, 1603..1659, 1604..1660, 1963..2034, 1964..2032, 1964..2047, 2157..2222, 2158..2238, 2167..2229, 2300..2365, 2301..2369, 2450..2539, 2454..2534, 2455..2559, 2456..2536		

Seq. No.	49230	Seq. ID	OJ990303_10.0420.C18
Gene No.	104809	Strand	-
Start	3069	End	3719
Name	OJ990303_10.0420.C18.o1.tc	Method	TBLASTX:Cress
Start	2158	End	2578
GI	none	Score	109
Exons	2158..2238, 2166..2237, 2297..2365, 2301..2369, 2453..2533, 2454..2537, 2455..2535, 2456..2578		

Seq. No.	49230	Seq. ID	OJ990303_10.0420.C18
Gene No.	104809	Strand	-
Start	3069	End	3719
Name	OJ990303_10.0420.C18.o2.gs	Method	GENSCAN
Start	3069	End	3383
GI	none	Score	.86
Exons	3069..3159, 3229..3383		

Seq. No.	49230	Seq. ID	OJ990303_10.0420.C18
Gene No.	104809	Strand	-
Start	3069	End	3719
Name	OJ990303_10.0420.C18.o2.np	Method	AAT/NAP
Start	3072	End	3719
GI	5852084	Score	80
Exons	3072..3185, 3665..3719		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	49231	Seq. ID	OJ990303_10.0420.C19
Gene No.	104810	Strand	+
Start	1	End	1340
Name	OJ990303_10.0420.C19.o1.np	Method	AAT/NAP
Start	1	End	1340
GI	3873408	Score	135
Exons	1..299, 1299..1340		
GI Descrip.	(L76926) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	49231	Seq. ID	OJ990303_10.0420.C19
Gene No.	104810	Strand	+
Start	1	End	1340
Name	OJ990303_10.0420.C19.o1.gs	Method	GENSCAN
Start	54	End	326
GI	none	Score	.42
Exons	54..326		

Seq. No.	49231	Seq. ID	OJ990303_10.0420.C19
Gene No.	104811	Strand	-
Start	1092	End	1225
Name	OJ990303_10.0420.C19.o1.tm	Method	TBLASTX:Maize
Start	116	End	254
GI	none	Score	184
Exons	116..247, 123..254		

Seq. No.	49231	Seq. ID	OJ990303_10.0420.C19
Gene No.	104811	Strand	-
Start	1092	End	1225
Name	OJ990303_10.0420.C19.o2.gs	Method	GENSCAN
Start	1092	End	1225
GI	none	Score	.74
Exons	1092..1225		

Seq. No.	49232	Seq. ID	OJ990303_10.0420.C20
Gene No.	104812	Strand	+
Start	771	End	926
Name	OJ990303_10.0420.C20.o1.gs	Method	GENSCAN
Start	771	End	926
GI	none	Score	.62
Exons	771..926		

Seq. No.	49233	Seq. ID	OJ990303_10.0420.C21
Gene No.	104813	Strand	+
Start	398	End	616
Name	OJ990303_10.0420.C21.o1.gs	Method	GENSCAN
Start	398	End	616
GI	none	Score	.45
Exons	398..616		

Seq. No.	49234	Seq. ID	OJ990303_10.0420.C24
Gene No.	104814	Strand	+
Start	1	End	1046
Name	OJ990303_10.0420.C24.o1.gp	Method	AAT/GAP
Start	1	End	277
GI	2310273	Score	430
Exons	1..277		

Seq. No.	49234	Seq. ID	OJ990303_10.0420.C24
Gene No.	104814	Strand	+
Start	1	End	1046
Name	OJ990303_10.0420.C24.o1.np	Method	AAT/NAP
Start	1	End	1046
GI	1086225	Score	277
Exons	1..49, 248..420, 502..600, 682..828, 932..1046		
GI Descrip.	RING-finger protein (C-terminal) - Lotus japonicus gi|558545|emb|CAA85321| (Z36750) protein containing C-terminal RING-finger [Lotus japonicus] gi|1771195|emb|CAA70734| (Y09539) RING-finger protein [Lotus japonicus]		

Seq. No.	49234	Seq. ID	OJ990303_10.0420.C24
Gene No.	104814	Strand	+
Start	1	End	1046
Name	OJ990303_10.0420.C24.o1.gs	Method	GENSCAN
Start	349	End	1015
GI	none	Score	.92
Exons	349..420, 502..600, 682..828, 932..1015		

Seq. No.	49234	Seq. ID	OJ990303_10.0420.C24
Gene No.	104815	Strand	-
Start	965	End	1046
Name	OJ990303_10.0420.C24.o2.tm	Method	TBLASTX:Maize
Start	2	End	367
GI	none	Score	56
Exons	2..40, 6..44, 7..60, 24..188, 43..189, 55..246, 210..248, 281..367, 282..362		

Seq. No.	49234	Seq. ID	OJ990303_10.0420.C24
Gene No.	104815	Strand	-
Start	965	End	1046
Name	OJ990303_10.0420.C24.o1.ts	Method	TBLASTX:Soybean
Start	505	End	1042
GI	none	Score	89
Exons	505..600, 679..819, 926..1042, 991..1041		

Seq. No.	49234	Seq. ID	OJ990303_10.0420.C24
Gene No.	104815	Strand	-
Start	965	End	1046

Name	OJ990303_10.0420.C24.o1.tw	Method	TBLASTX:Wheat
Start	545	End	1035
GI	none	Score	118
Exons	545..604, 679..828, 679..828, 714..836, 931..1032, 932..1033, 932..1030, 994..1035		

Seq. No.	49234	Seq. ID	OJ990303_10.0420.C24
Gene No.	104815	Strand	-
Start	965	End	1046
Name	OJ990303_10.0420.C24.o1.tm	Method	TBLASTX:Maize
Start	574	End	1046
GI	none	Score	47
Exons	574..600, 574..600, 575..601, 679..828, 679..828, 680..829, 905..1045, 930..1046, 931..1044, 932..1045		

Seq. No.	49234	Seq. ID	OJ990303_10.0420.C24
Gene No.	104815	Strand	-
Start	965	End	1046
Name	OJ990303_10.0420.C24.o2.gp	Method	AAT/GAP
Start	965	End	1046
GI	none	Score	164
Exons	965..1046		

Seq. No.	49235	Seq. ID	OJ990303_10.0420.C28
Gene No.	104816	Strand	+
Start	1	End	1433
Name	OJ990303_10.0420.C28.o1.np	Method	AAT/NAP
Start	1	End	1433
GI	6630696	Score	2388
Exons	1..1433		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	49235	Seq. ID	OJ990303_10.0420.C28
Gene No.	104817	Strand	+
Start	2540	End	7048
Name	OJ990303_10.0420.C28.o2.gs	Method	GENSCAN
Start	2540	End	7048
GI	none	Score	.51
Exons	2540..2872, 2967..3150, 3348..3479, 3572..3711, 5222..5486, 5577..5706, 6232..6370, 6551..6643, 6719..6796, 7010..7048		

Seq. No.	49235	Seq. ID	OJ990303_10.0420.C28
Gene No.	104818	Strand	-
Start	7355	End	8448
Name	OJ990303_10.0420.C28.o1.ts	Method	TBLASTX:Soybean
Start	2	End	397
GI	5509260	Score	344
Exons	2..397, 28..189, 83..283		
GI Descrip.	-		

Seq. No.	49235	Seq. ID	OJ990303_10.0420.C28
Gene No.	104818	Strand	-
Start	7355	End	8448
Name	OJ990303_10.0420.C28.o1.tc	Method	TBLASTX:Cress
Start	26	End	286

GI	none	Score	289
Exons	26..286, 28..198		

Seq. No.	49235	Seq. ID	OJ990303_10.0420.C28
Gene No.	104818	Strand	-
Start	7355	End	8448
Name	OJ990303_10.0420.C28.o1.tm	Method	TBLASTX:Maize
Start	67	End	532
GI	none	Score	356
Exons	67..198, 68..532, 203..283, 319..429		

Seq. No.	49235	Seq. ID	OJ990303_10.0420.C28
Gene No.	104818	Strand	-
Start	7355	End	8448
Name	OJ990303_10.0420.C28.o2.tw	Method	TBLASTX:Wheat
Start	68	End	613
GI	none	Score	313
Exons	68..412, 85..249, 407..613		

Seq. No.	49235	Seq. ID	OJ990303_10.0420.C28
Gene No.	104818	Strand	-
Start	7355	End	8448
Name	OJ990303_10.0420.C28.o2.ts	Method	TBLASTX:Soybean
Start	466	End	817
GI	none	Score	141
Exons	466..630, 467..625, 625..813, 626..814, 635..817		

Seq. No.	49235	Seq. ID	OJ990303_10.0420.C28
Gene No.	104818	Strand	-
Start	7355	End	8448
Name	OJ990303_10.0420.C28.o2.tm	Method	TBLASTX:Maize
Start	593	End	937
GI	none	Score	305
Exons	593..937, 616..933		

Seq. No.	49235	Seq. ID	OJ990303_10.0420.C28
Gene No.	104818	Strand	-
Start	7355	End	8448
Name	OJ990303_10.0420.C28.o1.tw	Method	TBLASTX:Wheat
Start	821	End	1295
GI	none	Score	86
Exons	821..895, 822..878, 826..894, 911..937, 939..1259, 941..1285, 941..1291, 942..1295		

Seq. No.	49235	Seq. ID	OJ990303_10.0420.C28
Gene No.	104818	Strand	-
Start	7355	End	8448
Name	OJ990303_10.0420.C28.o3.ts	Method	TBLASTX:Soybean
Start	827	End	1169
GI	none	Score	88
Exons	827..934, 960..1169, 965..1090		

Seq. No.	49235	Seq. ID	OJ990303_10.0420.C28
Gene No.	104818	Strand	-
Start	7355	End	8448
Name	OJ990303_10.0420.C28.o3.gs	Method	GENSCAN
Start	7355	End	8448

GI	none	Score	.78
Exons	7355..7503, 8397..8448		

Seq. No.	49236	Seq. ID	OJ990303_10.0420.C29
Gene No.	104819	Strand	-
Start	610	End	865
Name	OJ990303_10.0420.C29.o1.np	Method	AAT/NAP
Start	610	End	865
GI	4585996	Score	108
Exons	610..865		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49237	Seq. ID	OJ990303_10.0420.C30
Gene No.	104820	Strand	-
Start	459	End	526
Name	OJ990303_10.0420.C30.o1.gs	Method	GENSCAN
Start	459	End	526
GI	none	Score	.47
Exons	459..526		

Seq. No.	49238	Seq. ID	OJ990303_10.0420.C31
Gene No.	104821	Strand	+
Start	639	End	1689
Name	OJ990303_10.0420.C31.o1.gs	Method	GENSCAN
Start	639	End	1689
GI	none	Score	.76
Exons	639..696, 1442..1689		

Seq. No.	49239	Seq. ID	OJ990303_10.0420.C32
Gene No.	104822	Strand	-
Start	468	End	632
Name	OJ990303_10.0420.C32.o1.gs	Method	GENSCAN
Start	468	End	632
GI	none	Score	.94
Exons	468..632		

Seq. No.	49240	Seq. ID	OJ990303_10.0420.C39
Gene No.	104823	Strand	+
Start	1	End	1580
Name	OJ990303_10.0420.C39.o1.gp	Method	AAT/GAP
Start	1	End	361
GI	101595_1.R1084	Score	403
Exons	1..171, 287..361		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	49240	Seq. ID	OJ990303_10.0420.C39
Gene No.	104823	Strand	+
Start	1	End	1580
Name	OJ990303_10.0420.C39.o1.np	Method	AAT/NAP
Start	1	End	1580
GI	6630696	Score	2725
Exons	1..1580		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	49240	Seq. ID	OJ990303_10.0420.C39
Gene No.	104823	Strand	+
Start	1	End	1580
Name	OJ990303_10.0420.C39.o1.tm	Method	TBLASTX:Maize
Start	302	End	646
GI	none	Score	385
Exons	302..571, 303..575, 304..570, 605..646		

Seq. No.	49240	Seq. ID	OJ990303_10.0420.C39
Gene No.	104823	Strand	+
Start	1	End	1580
Name	OJ990303_10.0420.C39.o2.ts	Method	TBLASTX:Soybean
Start	620	End	1000
GI	none	Score	88
Exons	620..769, 752..1000		

Seq. No.	49240	Seq. ID	OJ990303_10.0420.C39
Gene No.	104823	Strand	+
Start	1	End	1580
Name	OJ990303_10.0420.C39.o2.tm	Method	TBLASTX:Maize
Start	758	End	1222
GI	none	Score	298
Exons	758..1222, 997..1215		

Seq. No.	49240	Seq. ID	OJ990303_10.0420.C39
Gene No.	104823	Strand	+
Start	1	End	1580
Name	OJ990303_10.0420.C39.o2.tw	Method	TBLASTX:Wheat
Start	865	End	1065
GI	none	Score	263
Exons	865..1065, 866..1063, 868..1065		

Seq. No.	49240	Seq. ID	OJ990303_10.0420.C39
Gene No.	104823	Strand	+
Start	1	End	1580
Name	OJ990303_10.0420.C39.o1.ts	Method	TBLASTX:Soybean
Start	1010	End	1408
GI	none	Score	207
Exons	1010..1231, 1012..1227, 1235..1408		

Seq. No.	49240	Seq. ID	OJ990303_10.0420.C39
Gene No.	104823	Strand	+
Start	1	End	1580
Name	OJ990303_10.0420.C39.o1.tw	Method	TBLASTX:Wheat
Start	1066	End	1579
GI	none	Score	258
Exons	1066..1473, 1066..1566, 1073..1579		

Seq. No.	49241	Seq. ID	OJ990303_10.0420.C47
Gene No.	104824	Strand	-
Start	1300	End	1596
Name	OJ990303_10.0420.C47.o1.gs	Method	GENSCAN
Start	1300	End	1596
GI	none	Score	.64
Exons	1300..1596		

Seq. No.	49242	Seq. ID	OJ990303_10.0420.C49

Gene No.	104825	Strand	+
Start	688	End	999
Name	OJ990303_10.0420.C49.o1.gp	Method	AAT/GAP
Start	688	End	999
GI	72524_1.R1084	Score	421
Exons	688..999		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	49242	Seq. ID	OJ990303_10.0420.C49
Gene No.	104826	Strand	-
Start	1046	End	3279
Name	OJ990303_10.0420.C49.o1.np	Method	AAT/NAP
Start	560	End	741
GI	7106512	Score	131
Exons	560..608, 682..741		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49242	Seq. ID	OJ990303_10.0420.C49
Gene No.	104826	Strand	-
Start	1046	End	3279
Name	OJ990303_10.0420.C49.o2.np	Method	AAT/NAP
Start	1031	End	3279
GI	7248395	Score	344
Exons	1031..1151, 2935..3279		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	49242	Seq. ID	OJ990303_10.0420.C49
Gene No.	104826	Strand	-
Start	1046	End	3279
Name	OJ990303_10.0420.C49.o1.gs	Method	GENSCAN
Start	1046	End	2543
GI	none	Score	.42
Exons	1046..1129, 1668..1729, 2390..2543		

Seq. No.	49243	Seq. ID	OJ990303_10.0420.C50
Gene No.	104827	Strand	-
Start	1	End	1725
Name	OJ990303_10.0420.C50.o1.np	Method	AAT/NAP
Start	1	End	1725
GI	7106512	Score	1258
Exons	1..691, 1228..1725		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49244	Seq. ID	OJ990303_10.0420.C51
Gene No.	104828	Strand	+
Start	408	End	721
Name	OJ990303_10.0420.C51.o1.gp	Method	AAT/GAP
Start	408	End	721
GI	72524_1.R1084	Score	415
Exons	408..721		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	49244	Seq. ID	OJ990303_10.0420.C51

Gene No.	104829	Strand	-
Start	1	End	461
Name	OJ990303_10.0420.C51.o1.np	Method	AAT/NAP
Start	1	End	461
GI	7106512	Score	291
Exons	1..19, 159..328, 402..461		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49245	Seq. ID	OJ990303_10.0420.C53
Gene No.	104830	Strand	+
Start	978	End	3424
Name	OJ990303_10.0420.C53.o1.np	Method	AAT/NAP
Start	978	End	3424
GI	1657621	Score	1160
Exons	978..1233, 1461..1538, 1660..1783, 1895..1968, 2080..2139, 2247..2356, 2482..2641, 2758..2834, 2923..3094, 3216..3424		
GI Descrip.	(U72505) G6p [Arabidopsis thaliana] gi|3068711|gb|AAC14411.1| (AF049236) putative acyl-coA dehydrogenase [Arabidopsis thaliana] gi|5478795|dbj|BAA82478.1| (AB017643) Short-chain acyl CoA oxidase [Arabidopsis thaliana]		

Seq. No.	49245	Seq. ID	OJ990303_10.0420.C53
Gene No.	104830	Strand	+
Start	978	End	3424
Name	OJ990303_10.0420.C53.o2.gp	Method	AAT/GAP
Start	1123	End	1786
GI	9553_1.R1084	Score	415
Exons	1123..1233, 1461..1538, 1712..1786		
GI Descrip.	'1657621 3.0e-23 (U72505) G6p [Arabidopsis thaliana] >gi_3068711 (AF049236) putative acyl-coA dehydrogenase [Arabidopsis thaliana] >gi_5478795_dbj_BAA82478.1_ (AB017643) Short-chain acyl CoA oxidase [Arabidopsis thaliana]'		

Seq. No.	49245	Seq. ID	OJ990303_10.0420.C53
Gene No.	104830	Strand	+
Start	978	End	3424
Name	OJ990303_10.0420.C53.o1.gs	Method	GENSCAN
Start	1127	End	3308
GI	none	Score	.88
Exons	1127..1233, 1461..1538, 1660..1783, 1895..1968, 2080..2139, 2247..2356, 2482..2641, 2758..2834, 2923..3094, 3216..3308		

Seq. No.	49245	Seq. ID	OJ990303_10.0420.C53
Gene No.	104830	Strand	+
Start	978	End	3424
Name	OJ990303_10.0420.C53.o3.gp	Method	AAT/GAP
Start	2087	End	2840
GI	LIB3434-049-P1-K1-H5	Score	697
Exons	2087..2139, 2247..2356, 2482..2641, 2758..2840		
GI Descrip.	'1657621 3.0e-50 (U72505) G6p [Arabidopsis thaliana] >gi_3068711 (AF049236) putative acyl-coA dehydrogenase [Arabidopsis thaliana] >gi_5478795_dbj_BAA82478.1_ (AB017643) Short-chain acyl CoA oxidase [Arabidopsis thaliana]'		

Seq. No.	49245	Seq. ID	OJ990303_10.0420.C53
Gene No.	104831	Strand	-

Start	1	End	178
Name	OJ990303_10.0420.C53.o1.gp	Method	AAT/GAP
Start	1	End	178
GI	none	Score	290
Exons	1..178		

Seq. No.	49245	Seq. ID	OJ990303_10.0420.C53
Gene No.	104832	Strand	
Start	1123	End	3310
Name	OJ990303_10.0420.C53.o1.tm	Method	TBLASTX:Maize
Start	1123	End	3310
GI	none	Score	178
Exons	1123..1233, 1129..1233, 1454..1543, 1458..1544, 1654..1782, 1655..1768, 1659..1781, 1890..1967, 1891..1968, 1898..1969, 2075..2125, 2076..2126, 2080..2139, 2244..2321, 2246..2356, 2247..2348, 2251..2355, 2252..2359, 2478..2642, 2482..2670, 2483..2665, 2740..2835, 2752..2835, 2757..2837, 2757..2837, 2918..3094, 2919..3095, 2923..3099, 2923..3102, 2930..3112, 3211..3297, 3213..3308, 3213..3299, 3215..3310, 3215..3304		

Seq. No.	49245	Seq. ID	OJ990303_10.0420.C53
Gene No.	104832	Strand	
Start	1123	End	3310
Name	OJ990303_10.0420.C53.o1.tc	Method	TBLASTX:Cress
Start	1129	End	3309
GI	none	Score	133
Exons	1129..1233, 1132..1233, 1454..1534, 1458..1544, 1651..1782, 1659..1781, 1890..1967, 1891..1968, 2076..2141, 2079..2141, 2080..2142, 2243..2356, 2245..2337, 2247..2348, 2480..2641, 2482..2646, 2482..2670, 2483..2656, 2755..2835, 2757..2828, 2918..3094, 2920..3108, 2922..3095, 2923..3099, 2930..3112, 3212..3307, 3213..3308, 3214..3309		

Seq. No.	49245	Seq. ID	OJ990303_10.0420.C53
Gene No.	104832	Strand	
Start	1123	End	3310
Name	OJ990303_10.0420.C53.o1.ts	Method	TBLASTX:Soybean
Start	1129	End	3094
GI	none	Score	128
Exons	1129..1233, 1370..1540, 1458..1544, 1654..1782, 1665..1781, 1890..1967, 1891..1968, 2079..2141, 2080..2142, 2243..2356, 2247..2348, 2482..2598, 2482..2601, 2483..2605, 2606..2656, 2740..2835, 2752..2835, 2920..3027, 2922..2999, 2930..3028, 2981..3094, 3022..3087		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104833	Strand	+
Start	8617	End	15090
Name	OJ990923_16.0421.C1.o2.gs	Method	GENSCAN
Start	8617	End	14823
GI	none	Score	.49
Exons	8617..8819, 8961..9201, 9517..9709, 10012..10481, 10652..10878, 10926..11504, 11554..11959, 12146..12343, 12551..13873, 14224..14823		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104833	Strand	+

Start	8617	End	15090
Name	OJ990923_16.0421.C1.o2.np	Method	AAT/NAP
Start	8617	End	15090
GI	5922631	Score	6586
Exons	8617..8741, 9000..9244, 9503..9696, 9742..10313, 10356..10505, 10632..11496, 11921..11981, 12588..15090		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104834	Strand	+
Start	20764	End	22596
Name	OJ990923_16.0421.C1.o5.np	Method	AAT/NAP
Start	20764	End	22445
GI	6815094	Score	183
Exons	20764..20790, 21872..22008, 22038..22248, 22276..22314, 22350..22445		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104834	Strand	+
Start	20764	End	22596
Name	OJ990923_16.0421.C1.o4.gs	Method	GENSCAN
Start	21319	End	22596
GI	none	Score	.99
Exons	21319..22596		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104835	Strand	-
Start	1	End	8160
Name	OJ990923_16.0421.C1.o1.np	Method	AAT/NAP
Start	1	End	3036
GI	4680203	Score	844
Exons	1..89, 243..334, 377..1759, 2949..3036		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104835	Strand	-
Start	1	End	8160
Name	OJ990923_16.0421.C1.o1.gs	Method	GENSCAN
Start	624	End	8160
GI	none	Score	.53
Exons	624..805, 864..1072, 1457..1770, 2192..2289, 5417..5455, 6501..6575, 6743..6902, 8155..8160		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o11.tw	Method	TBLASTX:Wheat
Start	29	End	297
GI	none	Score	44
Exons	29..58, 30..59, 69..296, 130..297		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o4.ts	Method	TBLASTX:Soybean
Start	465	End	699
GI	none	Score	103
Exons	465..698, 544..699		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o6.tm	Method	TBLASTX:Maize
Start	534	End	839
GI	none	Score	99
Exons	534..728, 732..839		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o13.tw	Method	TBLASTX:Wheat
Start	568	End	833
GI	none	Score	96
Exons	568..756, 573..728, 697..831, 759..833		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o9.tw	Method	TBLASTX:Wheat
Start	871	End	1416
GI	none	Score	55
Exons	871..1005, 881..979, 1022..1297, 1023..1181, 1294..1416, 1295..1333		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o3.ts	Method	TBLASTX:Soybean
Start	1006	End	1339
GI	none	Score	81
Exons	1006..1245, 1007..1267, 1022..1291, 1032..1304, 1295..1339		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o8.tw	Method	TBLASTX:Wheat
Start	9924	End	10319
GI	none	Score	75
Exons	9924..9977, 9925..9978, 10002..10319, 10043..10225		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o6.tw	Method	TBLASTX:Wheat
Start	10948	End	11760
GI	none	Score	312
Exons	10948..11055, 10957..11331, 11073..11315, 11467..11619,		

11488..11739, 11489..11755, 11656..11760

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o2.tw	Method	TBLASTX:Wheat
Start	11998	End	12451
GI	none	Score	455
Exons	11998..12441, 11999..12451		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o4.tm	Method	TBLASTX:Maize
Start	12164	End	12484
GI	none	Score	343
Exons	12164..12484, 12169..12474		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o2.tm	Method	TBLASTX:Maize
Start	12512	End	12895
GI	none	Score	376
Exons	12512..12895, 12521..12718, 12616..12894		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o1.tw	Method	TBLASTX:Wheat
Start	12569	End	12988
GI	none	Score	472
Exons	12569..12988, 12610..12987		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o1.ts	Method	TBLASTX:Soybean
Start	12617	End	13021
GI	none	Score	295
Exons	12617..13021, 12664..12789, 12844..13014		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o10.tw	Method	TBLASTX:Wheat
Start	12997	End	13261
GI	none	Score	107
Exons	12997..13074, 12998..13084, 13007..13078, 13079..13258, 13144..13260, 13166..13261		

Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o2.ts	Method	TBLASTX:Soybean
Start	13253	End	13641
GI	none	Score	268

Exons	13253..13639, 13261..13473, 13501..13641		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o4.tw	Method	TBLASTX:Wheat
Start	13262	End	13675
GI	none	Score	408
Exons	13262..13675, 13267..13608		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o8.tm	Method	TBLASTX:Maize
Start	13315	End	13585
GI	none	Score	130
Exons	13315..13365, 13316..13486, 13396..13485, 13490..13585		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o1.tm	Method	TBLASTX:Maize
Start	13992	End	14319
GI	none	Score	431
Exons	13992..14318, 13993..14319		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o5.tw	Method	TBLASTX:Wheat
Start	13998	End	14385
GI	none	Score	399
Exons	13998..14309, 13999..14385, 14194..14376, 14352..14384		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o7.tm	Method	TBLASTX:Maize
Start	14457	End	14730
GI	none	Score	101
Exons	14457..14555, 14458..14556, 14547..14621, 14551..14631, 14647..14730		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o3.tw	Method	TBLASTX:Wheat
Start	14500	End	15111
GI	none	Score	352
Exons	14500..14958, 14520..14609, 14661..14792, 14977..15111		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o5.tm	Method	TBLASTX:Maize
Start	14824	End	15075
GI	none	Score	155

Exons	14824..14994, 14934..14990, 14973..15074, 14974..15075		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o3.gs	Method	GENSCAN
Start	15453	End	18369
GI	none	Score	.68
Exons	15453..15904, 16153..16342, 16416..16603, 16682..16789, 16823..17028, 17111..17268, 17485..18369		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o3.np	Method	AAT/NAP
Start	15465	End	18369
GI	6691716	Score	2685
Exons	15465..15904, 15976..16090, 16241..16342, 16416..16603, 16682..16855, 16920..17028, 17111..17307, 17495..18369		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104836	Strand	-
Start	15453	End	18369
Name	OJ990923_16.0421.C1.o12.tw	Method	TBLASTX:Wheat
Start	17959	End	18246
GI	none	Score	194
Exons	17959..18246		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104837	Strand	
Start	21355	End	22104
Name	OJ990923_16.0421.C1.o3.tm	Method	TBLASTX:Maize
Start	21355	End	21792
GI	none	Score	279
Exons	21355..21690, 21465..21671, 21565..21768, 21702..21791, 21712..21792		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104837	Strand	
Start	21355	End	22104
Name	OJ990923_16.0421.C1.o5.ts	Method	TBLASTX:Soybean
Start	21454	End	22104
GI	none	Score	93
Exons	21454..21540, 21544..21621, 21631..21870, 22048..22104		
Seq. No.	49246	Seq. ID	OJ990923_16.0421.C1
Gene No.	104837	Strand	
Start	21355	End	22104
Name	OJ990923_16.0421.C1.o7.tw	Method	TBLASTX:Wheat
Start	21469	End	21857
GI	none	Score	91
Exons	21469..21558, 21471..21560, 21549..21683, 21565..21732, 21568..21684, 21703..21840, 21708..21857		

Seq. No.	49247	Seq. ID	OJ990923_16.0421.C2
Gene No.	104838	Strand	+
Start	1251	End	3527
Name	OJ990923_16.0421.C2.o1.gs	Method	GENSCAN
Start	1251	End	3527
GI	none	Score	.56
Exons	1251..1884, 3113..3527		

Seq. No.	49247	Seq. ID	OJ990923_16.0421.C2
Gene No.	104839	Strand	-
Start	4915	End	10126
Name	OJ990923_16.0421.C2.o2.gs	Method	GENSCAN
Start	4915	End	6682
GI	none	Score	.59
Exons	4915..5094, 6183..6238, 6475..6682		

Seq. No.	49247	Seq. ID	OJ990923_16.0421.C2
Gene No.	104839	Strand	-
Start	4915	End	10126
Name	OJ990923_16.0421.C2.o1.np	Method	AAT/NAP
Start	6344	End	10126
GI	5042463	Score	115
Exons	6344..6442, 6494..6647, 7309..7557, 9980..10126		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	49248	Seq. ID	OJ990923_16.0421.C3
Gene No.	104840	Strand	+
Start	3274	End	4134
Name	OJ990923_16.0421.C3.o2.gs	Method	GENSCAN
Start	3274	End	4134
GI	none	Score	.56
Exons	3274..3395, 3434..3535, 3540..3685, 3731..3856, 3953..4134		

Seq. No.	49248	Seq. ID	OJ990923_16.0421.C3
Gene No.	104841	Strand	+
Start	5177	End	5250
Name	OJ990923_16.0421.C3.o3.gs	Method	GENSCAN
Start	5177	End	5250
GI	none	Score	.99
Exons	5177..5250		

Seq. No.	49248	Seq. ID	OJ990923_16.0421.C3
Gene No.	104842	Strand	-
Start	480	End	1438
Name	OJ990923_16.0421.C3.o1.gs	Method	GENSCAN
Start	480	End	1438
GI	none	Score	.41
Exons	480..612, 1098..1221, 1233..1438		

Seq. No.	49248	Seq. ID	OJ990923_16.0421.C3
Gene No.	104843	Strand	-
Start	3286	End	5872
Name	OJ990923_16.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	2451	End	3115
GI	none	Score	53
Exons	2451..2573, 2459..2587, 2459..2623, 2459..2587, 2466..2588, 2476..2631, 2481..2633, 2486..2629, 2621..2710, 2622..2714,		

2650..2802, 2661..2801, 2667..2804, 2676..2834, 2693..2815,
2694..2816, 2695..2823, 2699..2821, 2699..2806, 2839..2931,
2860..2931, 2860..2931, 2861..2938, 2861..2938, 2863..2955,
3001..3081, 3007..3111, 3077..3115

Seq. No.	49248	Seq. ID	OJ990923_16.0421.C3
Gene No.	104843	Strand	-
Start	3286	End	5872
Name	OJ990923_16.0421.C3.o1.np	Method	AAT/NAP
Start	3286	End	5872
GI	3980411	Score	78
Exons	3286..3864, 5129..5256, 5759..5872		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	49249	Seq. ID	OJ990923_16.0421.C4
Gene No.	104844	Strand	+
Start	105	End	623
Name	OJ990923_16.0421.C4.o1.gp	Method	AAT/GAP
Start	105	End	623
GI	LIB3434-038-P1-K1-F1	Score	739
Exons	105..623		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	49249	Seq. ID	OJ990923_16.0421.C4
Gene No.	104845	Strand	+
Start	846	End	1170
Name	OJ990923_16.0421.C4.o1.gs	Method	GENSCAN
Start	846	End	1170
GI	none	Score	.52
Exons	846..872, 1109..1170		

Seq. No.	49250	Seq. ID	OJ990923_16.0421.C7
Gene No.	104846	Strand	-
Start	150	End	410
Name	OJ990923_16.0421.C7.o1.gs	Method	GENSCAN
Start	150	End	410
GI	none	Score	.85
Exons	150..410		

Seq. No.	49251	Seq. ID	OJ990923_16.0421.C8
Gene No.	104847	Strand	+
Start	1	End	1517
Name	OJ990923_16.0421.C8.o1.np	Method	AAT/NAP
Start	1	End	951
GI	4544372	Score	411
Exons	1..951		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	49251	Seq. ID	OJ990923_16.0421.C8
Gene No.	104847	Strand	+
Start	1	End	1517
Name	OJ990923_16.0421.C8.o2.np	Method	AAT/NAP
Start	1	End	1517
GI	629693	Score	445
Exons	1..954, 1473..1517		

GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		
Seq. No.	49251	Seq. ID	OJ990923_16.0421.C8
Gene No.	104848	Strand	-
Start	1352	End	2194
Name	OJ990923_16.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	8	End	349
GI	none	Score	80
Exons	8..127, 125..349		
Seq. No.	49251	Seq. ID	OJ990923_16.0421.C8
Gene No.	104848	Strand	-
Start	1352	End	2194
Name	OJ990923_16.0421.C8.o1.ts	Method	TBLASTX:Soybean
Start	8	End	370
GI	none	Score	202
Exons	8..370		
Seq. No.	49251	Seq. ID	OJ990923_16.0421.C8
Gene No.	104848	Strand	-
Start	1352	End	2194
Name	OJ990923_16.0421.C8.o2.gs	Method	GENSCAN
Start	1352	End	2194
GI	none	Score	.94
Exons	1352..1496, 1654..2000, 2081..2194		
Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104849	Strand	+
Start	8	End	352
Name	OJ990923_16.0421.C9.o1.gs	Method	GENSCAN
Start	8	End	352
GI	none	Score	.74
Exons	8..352		
Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104850	Strand	+
Start	4115	End	4427
Name	OJ990923_16.0421.C9.o1.gp	Method	AAT/GAP
Start	4115	End	4427
GI	72524_1.R1084	Score	440
Exons	4115..4427		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104851	Strand	+
Start	12388	End	19837
Name	OJ990923_16.0421.C9.o1.np	Method	AAT/NAP
Start	12382	End	18009
GI	6623973	Score	2197
Exons	12382..12878, 13547..16950, 17940..18009		
GI Descrip.	(AC007505) Highly similar to Ta1-3 polyprotein [Arabidopsis thaliana]		
Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104851	Strand	+

Start	12388	End	19837
Name	OJ990923_16.0421.C9.o4.gs	Method	GENSCAN
Start	12388	End	19837
GI	none	Score	.48
Exons	12388..12617, 13011..13176, 13285..13437, 13641..14034, 14355..15229, 15314..15424, 15739..15898, 16419..16619, 16835..16906, 17136..17230, 17287..17374, 17454..17565, 18851..19534, 19747..19837		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104852	Strand	-
Start	1172	End	5939
Name	OJ990923_16.0421.C9.o2.gs	Method	GENSCAN
Start	1172	End	5939
GI	none	Score	.55
Exons	1172..1368, 1760..1846, 2262..2315, 2510..2606, 3811..3938, 5786..5939		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104853	Strand	-
Start	6265	End	9620
Name	OJ990923_16.0421.C9.o3.gs	Method	GENSCAN
Start	6265	End	9620
GI	none	Score	.52
Exons	6265..6692, 6724..6856, 7026..7362, 8062..8711, 8796..8935, 9335..9620		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104854	Strand	-
Start	18477	End	19550
Name	OJ990923_16.0421.C9.o2.gp	Method	AAT/GAP
Start	18477	End	19550
GI	538_1.R1084	Score	2085
Exons	18477..19550		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104854	Strand	-
Start	18477	End	19550
Name	OJ990923_16.0421.C9.o2.np	Method	AAT/NAP
Start	18813	End	19493
GI	113509	Score	1316
Exons	18813..19493		
GI Descrip.	LECTIN PRECURSOR (AGGLUTININ) gi|72352|pir||LNRZ lectin precursor - rice gi|530790 (M24504) lectin [Oryza sativa]		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o2.tw	Method	TBLASTX:Wheat
Start	14464	End	15130
GI	none	Score	292
Exons	14464..14634, 14465..14917, 14680..14841, 14935..15006, 14950..15009, 15026..15130		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9

Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o4.tm	Method	TBLASTX:Maize
Start	14525	End	15151
GI	none	Score	69
Exons	14525..14590, 14591..15028, 14770..15024, 15026..15151		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	14699	End	15163
GI	none	Score	245
Exons	14699..15028, 14728..14838, 14857..15027, 15014..15163		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o1.tc	Method	TBLASTX:Cress
Start	14732	End	15274
GI	none	Score	145
Exons	14732..15010, 15026..15274		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o3.tw	Method	TBLASTX:Wheat
Start	15365	End	15662
GI	none	Score	85
Exons	15365..15466, 15446..15661, 15480..15662		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o2.ts	Method	TBLASTX:Soybean
Start	15512	End	15861
GI	none	Score	195
Exons	15512..15730, 15513..15731, 15730..15861, 15741..15827		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o1.tw	Method	TBLASTX:Wheat
Start	15665	End	16438
GI	none	Score	76
Exons	15665..15751, 15666..15731, 15741..15953, 15745..15987, 15982..16113, 16112..16438		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o5.tm	Method	TBLASTX:Maize
Start	15780	End	16095
GI	none	Score	253
Exons	15780..16019, 15781..16095		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9

Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o3.tm	Method	TBLASTX:Maize
Start	16118	End	16542
GI	none	Score	93
Exons	16118..16249, 16211..16522, 16225..16542, 16225..16518		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o3.ts	Method	TBLASTX:Soybean
Start	16400	End	16893
GI	none	Score	103
Exons	16400..16540, 16559..16750, 16789..16893		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o4.tw	Method	TBLASTX:Wheat
Start	16564	End	16967
GI	none	Score	142
Exons	16564..16782, 16565..16750, 16788..16967, 16789..16950		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	16591	End	18000
GI	none	Score	180
Exons	16591..16752, 16592..16759, 16603..16761, 16619..16753, 16756..16950, 16764..16871, 16771..16950, 17938..18000, 17939..17998		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o5.tw	Method	TBLASTX:Wheat
Start	18993	End	19409
GI	none	Score	126
Exons	18993..19148, 19000..19146, 19095..19133, 19131..19247, 19132..19257, 19215..19250, 19258..19404, 19320..19409		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o6.tm	Method	TBLASTX:Maize
Start	31098	End	31828
GI	none	Score	44
Exons	31098..31154, 31150..31272, 31167..31289, 31173..31319, 31175..31324, 31176..31325, 31182..31301, 31186..31272, 31195..31314, 31195..31320, 31263..31340, 31265..31354, 31317..31409, 31317..31409, 31331..31504, 31342..31371, 31344..31496, 31344..31421, 31352..31510, 31353..31505, 31361..31501, 31362..31499, 31392..31529, 31394..31519, 31518..31664, 31521..31655, 31526..31651, 31529..31654, 31529..31660, 31555..31677, 31559..31684, 31673..31738, 31673..31828, 31674..31784, 31681..31806, 31710..31787,		

31710..31784, 31714..31791

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o7.tm	Method	TBLASTX:Maize
Start	31924	End	32293
GI	none	Score	46
Exons	31924..32007, 31974..32009, 32051..32125, 32051..32101, 32086..32124, 32128..32184, 32147..32188, 32233..32268, 32240..32278, 32269..32292, 32270..32293		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104855	Strand	-
Start	36866	End	37020
Name	OJ990923_16.0421.C9.o3.np	Method	AAT/NAP
Start	36866	End	37020
GI	7444442	Score	43
Exons	36866..37020		
GI Descrip.	gag/pol polyprotein - maize retrotransposon Hopscotch gi|531389|gb|AAA57005.1| (U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]		

Seq. No.	49252	Seq. ID	OJ990923_16.0421.C9
Gene No.	104856	Strand	
Start	39317	End	40801
Name	OJ990923_16.0421.C9.o2.tm	Method	TBLASTX:Maize
Start	39317	End	40801
GI	none	Score	157
Exons	39317..39568, 39851..39961, 40067..40126, 40119..40226, 40266..40349, 40445..40522, 40458..40538, 40556..40801		

Seq. No.	49253	Seq. ID	OJ990923_16.0421.C14
Gene No.	104857	Strand	-
Start	265	End	285
Name	OJ990923_16.0421.C14.o1.gs	Method	GENSCAN
Start	265	End	285
GI	none	Score	.79
Exons	265..285		

Seq. No.	49254	Seq. ID	OJ990923_16.0421.C15
Gene No.	104858	Strand	-
Start	267	End	413
Name	OJ990923_16.0421.C15.o1.gs	Method	GENSCAN
Start	267	End	413
GI	none	Score	.87
Exons	267..413		

Seq. No.	49255	Seq. ID	OJ990923_16.0421.C16
Gene No.	104859	Strand	-
Start	82	End	505
Name	OJ990923_16.0421.C16.o1.gs	Method	GENSCAN
Start	82	End	505
GI	none	Score	.61
Exons	82..145, 489..505		

Seq. No.	49256	Seq. ID	OJ990923_16.0421.C18

Gene No.	104860	Strand	-
Start	110	End	253
Name	OJ990923_16.0421.C18.o1.gs	Method	GENSCAN
Start	110	End	253
GI	none	Score	.89
Exons	110..253		

Seq. No.	49257	Seq. ID	OJ990923_16.0421.C21
Gene No.	104861	Strand	+
Start	687	End	1159
Name	OJ990923_16.0421.C21.o1.gs	Method	GENSCAN
Start	687	End	1159
GI	none	Score	.74
Exons	687..789, 972..1159		

Seq. No.	49258	Seq. ID	OJ990923_16.0421.C28
Gene No.	104862	Strand	+
Start	87	End	724
Name	OJ990923_16.0421.C28.o1.np	Method	AAT/NAP
Start	87	End	724
GI	7106512	Score	119
Exons	87..147, 221..328, 695..724		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49258	Seq. ID	OJ990923_16.0421.C28
Gene No.	104862	Strand	+
Start	87	End	724
Name	OJ990923_16.0421.C28.o1.gs	Method	GENSCAN
Start	408	End	693
GI	none	Score	.73
Exons	408..693		

Seq. No.	49259	Seq. ID	OJ990923_16.0421.C29
Gene No.	104863	Strand	-
Start	1	End	3918
Name	OJ990923_16.0421.C29.o1.np	Method	AAT/NAP
Start	1	End	3343
GI	7248394	Score	1673
Exons	1..103, 1139..2152, 2420..3343		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	49259	Seq. ID	OJ990923_16.0421.C29
Gene No.	104863	Strand	-
Start	1	End	3918
Name	OJ990923_16.0421.C29.o4.ts	Method	TBLASTX:Soybean
Start	250	End	530
GI	none	Score	132
Exons	250..333, 390..530		

Seq. No.	49259	Seq. ID	OJ990923_16.0421.C29
Gene No.	104863	Strand	-
Start	1	End	3918

Name	OJ990923_16.0421.C29.o1.gs	Method	GENSCAN
Start	356	End	3918
GI	none	Score	.49
Exons	356..460, 528..671, 697..858, 1332..1446, 1480..2248, 2549..2700, 2816..2984, 3093..3257, 3735..3918		

Seq. No.	49259	Seq. ID	OJ990923_16.0421.C29
Gene No.	104863	Strand	-
Start	1	End	3918
Name	OJ990923_16.0421.C29.o1.ts	Method	TBLASTX:Soybean
Start	905	End	1276
GI	none	Score	73
Exons	905..1117, 1035..1118, 1134..1274, 1139..1276		

Seq. No.	49259	Seq. ID	OJ990923_16.0421.C29
Gene No.	104863	Strand	-
Start	1	End	3918
Name	OJ990923_16.0421.C29.o2.tw	Method	TBLASTX:Wheat
Start	1497	End	1866
GI	none	Score	97
Exons	1497..1568, 1548..1865, 1552..1866		

Seq. No.	49259	Seq. ID	OJ990923_16.0421.C29
Gene No.	104863	Strand	-
Start	1	End	3918
Name	OJ990923_16.0421.C29.o1.tm	Method	TBLASTX:Maize
Start	1554	End	2015
GI	none	Score	303
Exons	1554..2015, 1555..2013, 1626..2015		

Seq. No.	49259	Seq. ID	OJ990923_16.0421.C29
Gene No.	104863	Strand	-
Start	1	End	3918
Name	OJ990923_16.0421.C29.o2.ts	Method	TBLASTX:Soybean
Start	1587	End	1868
GI	none	Score	89
Exons	1587..1868, 1735..1830		

Seq. No.	49259	Seq. ID	OJ990923_16.0421.C29
Gene No.	104863	Strand	-
Start	1	End	3918
Name	OJ990923_16.0421.C29.o1.tw	Method	TBLASTX:Wheat
Start	1884	End	2288
GI	none	Score	94
Exons	1884..2237, 1885..2037, 1899..2228, 2089..2229, 2232..2288		

Seq. No.	49259	Seq. ID	OJ990923_16.0421.C29
Gene No.	104863	Strand	-
Start	1	End	3918
Name	OJ990923_16.0421.C29.o2.tm	Method	TBLASTX:Maize
Start	2016	End	2234
GI	none	Score	114
Exons	2016..2234, 2034..2222, 2089..2229		

Seq. No.	49259	Seq. ID	OJ990923_16.0421.C29
Gene No.	104863	Strand	-
Start	1	End	3918

Name	OJ990923_16.0421.C29.o3.ts	Method	TBLASTX:Soybean
Start	2085	End	2439
GI	none	Score	62
Exons	2085..2216, 2133..2213, 2226..2438, 2260..2439		

Seq. No.	49260	Seq. ID	OJ990923_16.0421.C30
Gene No.	104864	Strand	-
Start	46	End	1510
Name	OJ990923_16.0421.C30.o1.gs	Method	GENSCAN
Start	46	End	1510
GI	none	Score	.64
Exons	46..347, 1106..1510		

Seq. No.	49260	Seq. ID	OJ990923_16.0421.C30
Gene No.	104865	Strand	-
Start	1432	End	1833
Name	OJ990923_16.0421.C30.o1.np	Method	AAT/NAP
Start	1432	End	1833
GI	7248393	Score	394
Exons	1432..1833		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	49261	Seq. ID	OJ990923_16.0421.C31
Gene No.	104866	Strand	+
Start	435	End	1894
Name	OJ990923_16.0421.C31.o1.gs	Method	GENSCAN
Start	435	End	1894
GI	none	Score	.58
Exons	435..442, 1692..1894		

Seq. No.	49261	Seq. ID	OJ990923_16.0421.C31
Gene No.	104866	Strand	+
Start	435	End	1894
Name	OJ990923_16.0421.C31.o1.gp	Method	AAT/GAP
Start	1264	End	1607
GI	5816475	Score	428
Exons	1264..1607		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	49262	Seq. ID	OJ990923_16.0421.C32
Gene No.	104867	Strand	+
Start	1015	End	3037
Name	OJ990923_16.0421.C32.o1.gs	Method	GENSCAN
Start	1015	End	3037
GI	none	Score	.54
Exons	1015..1020, 2292..2329, 2908..3037		

Seq. No.	49262	Seq. ID	OJ990923_16.0421.C32
Gene No.	104868	Strand	+
Start	3602	End	4009
Name	OJ990923_16.0421.C32.o2.gs	Method	GENSCAN
Start	3602	End	4009
GI	none	Score	.64
Exons	3602..4009		

Seq. No.	49262	Seq. ID	OJ990923_16.0421.C32

Gene No.	104869	Strand	-
Start	615	End	1131
Name	OJ990923_16.0421.C32.o1.gp	Method	AAT/GAP
Start	615	End	1131
GI	uC-osrocyp033g02a1	Score	744
Exons	615..799, 928..1131		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	49263	Seq. ID	OJ990923_16.0421.C33
Gene No.	104870	Strand	-
Start	281	End	415
Name	OJ990923_16.0421.C33.o1.np	Method	AAT/NAP
Start	281	End	415
GI	7340868	Score	86
Exons	281..415		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	49263	Seq. ID	OJ990923_16.0421.C33
Gene No.	104871	Strand	-
Start	1554	End	2510
Name	OJ990923_16.0421.C33.o1.gs	Method	GENSCAN
Start	1554	End	2510
GI	none	Score	.51
Exons	1554..1598, 2397..2510		

Seq. No.	49263	Seq. ID	OJ990923_16.0421.C33
Gene No.	104872	Strand	-
Start	4975	End	8891
Name	OJ990923_16.0421.C33.o2.np	Method	AAT/NAP
Start	4292	End	7804
GI	6815109	Score	146
Exons	4292..4326, 6427..6748, 6847..6928, 7684..7804		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	49263	Seq. ID	OJ990923_16.0421.C33
Gene No.	104872	Strand	-
Start	4975	End	8891
Name	OJ990923_16.0421.C33.o2.gs	Method	GENSCAN
Start	4975	End	7871
GI	none	Score	.57
Exons	4975..5296, 6291..6439, 6847..6973, 7816..7871		

Seq. No.	49263	Seq. ID	OJ990923_16.0421.C33
Gene No.	104872	Strand	-
Start	4975	End	8891
Name	OJ990923_16.0421.C33.o3.np	Method	AAT/NAP
Start	7181	End	8891
GI	6721562	Score	255
Exons	7181..7201, 8515..8891		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	49264	Seq. ID	OJ990923_16.0421.C34

Gene No.	104873	Strand	+
Start	239	End	511
Name	OJ990923_16.0421.C34.o1.gs	Method	GENSCAN
Start	239	End	511
GI	none	Score	.69
Exons	239..436, 509..511		

Seq. No.	49264	Seq. ID	OJ990923_16.0421.C34
Gene No.	104874	Strand	-
Start	1	End	5027
Name	OJ990923_16.0421.C34.o1.np	Method	AAT/NAP
Start	1	End	4099
GI	7106512	Score	176
Exons	1..76, 3852..3967, 4040..4099		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49264	Seq. ID	OJ990923_16.0421.C34
Gene No.	104874	Strand	-
Start	1	End	5027
Name	OJ990923_16.0421.C34.o2.gs	Method	GENSCAN
Start	993	End	5027
GI	none	Score	.4
Exons	993..998, 1274..1312, 1749..2007, 2105..2257, 2340..2863, 3029..3175, 3231..3533, 3907..3967, 4993..5027		

Seq. No.	49264	Seq. ID	OJ990923_16.0421.C34
Gene No.	104874	Strand	-
Start	1	End	5027
Name	OJ990923_16.0421.C34.o1.gp	Method	AAT/GAP
Start	3997	End	4242
GI	3761181	Score	425
Exons	3997..4242		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	49265	Seq. ID	OJ990923_16.0421.C35
Gene No.	104875	Strand	+
Start	5435	End	5617
Name	OJ990923_16.0421.C35.o3.gs	Method	GENSCAN
Start	5435	End	5617
GI	none	Score	.59
Exons	5435..5617		

Seq. No.	49265	Seq. ID	OJ990923_16.0421.C35
Gene No.	104876	Strand	-
Start	128	End	290
Name	OJ990923_16.0421.C35.o1.gs	Method	GENSCAN
Start	128	End	290
GI	none	Score	.69
Exons	128..290		

Seq. No.	49265	Seq. ID	OJ990923_16.0421.C35
Gene No.	104877	Strand	-
Start	2783	End	4650
Name	OJ990923_16.0421.C35.o2.gs	Method	GENSCAN
Start	2783	End	4650

GI	none	Score	.86
Exons	2783..2889, 3948..4167, 4246..4416, 4546..4650		

Seq. No.	49266	Seq. ID	OJ990923_16.0421.C36
Gene No.	104878	Strand	-
Start	364	End	1242
Name	OJ990923_16.0421.C36.o1.gp	Method	AAT/GAP
Start	187	End	964
GI	5002953	Score	460
Exons	187..369, 850..964		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	49266	Seq. ID	OJ990923_16.0421.C36
Gene No.	104878	Strand	-
Start	364	End	1242
Name	OJ990923_16.0421.C36.o1.np	Method	AAT/NAP
Start	301	End	1242
GI	4680203	Score	532
Exons	301..1242		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	49266	Seq. ID	OJ990923_16.0421.C36
Gene No.	104878	Strand	-
Start	364	End	1242
Name	OJ990923_16.0421.C36.o1.gs	Method	GENSCAN
Start	364	End	1177
GI	none	Score	.88
Exons	364..665, 733..1177		

Seq. No.	49266	Seq. ID	OJ990923_16.0421.C36
Gene No.	104878	Strand	-
Start	364	End	1242
Name	OJ990923_16.0421.C36.o1.tw	Method	TBLASTX:Wheat
Start	412	End	1241
GI	none	Score	67
Exons	412..504, 505..609, 533..610, 634..672, 680..727, 716..898, 747..872, 911..1072, 915..1055, 1100..1240, 1143..1241		

Seq. No.	49266	Seq. ID	OJ990923_16.0421.C36
Gene No.	104878	Strand	-
Start	364	End	1242
Name	OJ990923_16.0421.C36.o1.tc	Method	TBLASTX:Cress
Start	920	End	1241
GI	none	Score	68
Exons	920..1072, 933..1055, 1103..1240, 1143..1241		

Seq. No.	49267	Seq. ID	OJ990913_16.0421.C1
Gene No.	104879	Strand	+
Start	82	End	716
Name	OJ990913_16.0421.C1.o1.gs	Method	GENSCAN
Start	82	End	716
GI	none	Score	.58
Exons	82..245, 554..716		

Seq. No.	49268	Seq. ID	OJ990913_16.0421.C5
Gene No.	104880	Strand	-

Start	1	End	730
Name	OJ990913_16.0421.C5.o1.np	Method	AAT/NAP
Start	1	End	730
GI	4760702	Score	300
Exons	1..214, 262..730		
GI Descrip.	(AB024438) peroxidase 2 [Scutellaria baicalensis]		

Seq. No.	49268	Seq. ID	OJ990913_16.0421.C5
Gene No.	104880	Strand	-
Start	1	End	730
Name	OJ990913_16.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	715
GI	none	Score	79
Exons	1..228, 298..549, 404..484, 613..714, 617..715		

Seq. No.	49268	Seq. ID	OJ990913_16.0421.C5
Gene No.	104880	Strand	-
Start	1	End	730
Name	OJ990913_16.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	718
GI	none	Score	97
Exons	1..210, 2..154, 217..312, 224..313, 316..519, 317..493, 499..717, 545..718		

Seq. No.	49268	Seq. ID	OJ990913_16.0421.C5
Gene No.	104880	Strand	-
Start	1	End	730
Name	OJ990913_16.0421.C5.o1.gs	Method	GENSCAN
Start	34	End	672
GI	none	Score	.45
Exons	34..672		

Seq. No.	49268	Seq. ID	OJ990913_16.0421.C5
Gene No.	104880	Strand	-
Start	1	End	730
Name	OJ990913_16.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	358	End	715
GI	none	Score	71
Exons	358..609, 604..714, 611..715		

Seq. No.	49268	Seq. ID	OJ990913_16.0421.C5
Gene No.	104880	Strand	-
Start	1	End	730
Name	OJ990913_16.0421.C5.o1.tc	Method	TBLASTX:Cress
Start	382	End	717
GI	none	Score	78
Exons	382..633, 613..717, 614..712		

Seq. No.	49269	Seq. ID	OJ990913_16.0421.C8
Gene No.	104881	Strand	-
Start	43	End	787
Name	OJ990913_16.0421.C8.o1.gs	Method	GENSCAN
Start	43	End	787
GI	none	Score	.71
Exons	43..183, 272..787		

Seq. No.	49269	Seq. ID	OJ990913_16.0421.C8

Gene No.	104881	Strand	-
Start	43	End	787
Name	OJ990913_16.0421.C8.o1.tw	Method	TBLASTX:Wheat
Start	106	End	557
GI	none	Score	120
Exons	106..183, 311..547, 312..557		

Seq. No.	49270	Seq. ID	OJ990913_16.0421.C13
Gene No.	104882	Strand	+
Start	70	End	262
Name	OJ990913_16.0421.C13.o1.gs	Method	GENSCAN
Start	70	End	262
GI	none	Score	.9
Exons	70..213, 244..262		

Seq. No.	49270	Seq. ID	OJ990913_16.0421.C13
Gene No.	104883	Strand	+
Start	589	End	1063
Name	OJ990913_16.0421.C13.o1.gp	Method	AAT/GAP
Start	589	End	1063
GI	uC-osroM202020e03b1	Score	815
Exons	589..712, 743..1063		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49271	Seq. ID	OJ990913_16.0421.C16
Gene No.	104884	Strand	+
Start	1	End	95
Name	OJ990913_16.0421.C16.o1.np	Method	AAT/NAP
Start	1	End	95
GI	6907087	Score	121
Exons	1..95		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49271	Seq. ID	OJ990913_16.0421.C16
Gene No.	104885	Strand	+
Start	558	End	773
Name	OJ990913_16.0421.C16.o1.gp	Method	AAT/GAP
Start	558	End	773
GI	uC-osf1cyp033a04b1	Score	393
Exons	558..773		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49271	Seq. ID	OJ990913_16.0421.C16
Gene No.	104886	Strand	-
Start	491	End	773
Name	OJ990913_16.0421.C16.o2.np	Method	AAT/NAP
Start	491	End	773
GI	4680186	Score	229
Exons	491..773		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49272	Seq. ID	OJ990913_16.0421.C18
Gene No.	104887	Strand	+

Start	1	End	732
Name	OJ990913_16.0421.C18.o1.np	Method	AAT/NAP
Start	1	End	732
GI	6970044	Score	93
Exons	1..35, 634..732		
GI Descrip.	(AF195243) apospory-associated protein C; APOC [Chlamydomonas reinhardtii]		

Seq. No.	49272	Seq. ID	OJ990913_16.0421.C18
Gene No.	104887	Strand	+
Start	1	End	732
Name	OJ990913_16.0421.C18.o1.gp	Method	AAT/GAP
Start	626	End	732
GI	34683_1.R1084	Score	182
Exons	626..732		
GI Descrip.	'2501555/sp|Q40784|AAPC_PENCL 2.0e-13 POSSIBLE APOSPORY-ASSOCIATED PROTEIN C >gi_549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]'		

Seq. No.	49273	Seq. ID	OJ990913_16.0421.C20
Gene No.	104888	Strand	+
Start	543	End	671
Name	OJ990913_16.0421.C20.o1.gs	Method	GENSCAN
Start	543	End	671
GI	none	Score	.56
Exons	543..671		

Seq. No.	49274	Seq. ID	OJ990223_08.0419.C2
Gene No.	104889	Strand	+
Start	1	End	1544
Name	OJ990223_08.0419.C2.o1.np	Method	AAT/NAP
Start	1	End	1544
GI	6689381	Score	545
Exons	1..259, 339..447, 1040..1145, 1220..1544		
GI Descrip.	(AJ238622) deoxyhypusine synthase [Senecio vernalis]		

Seq. No.	49274	Seq. ID	OJ990223_08.0419.C2
Gene No.	104889	Strand	+
Start	1	End	1544
Name	OJ990223_08.0419.C2.o1.gs	Method	GENSCAN
Start	292	End	1455
GI	none	Score	.6
Exons	292..384, 1220..1455		

Seq. No.	49274	Seq. ID	OJ990223_08.0419.C2
Gene No.	104889	Strand	+
Start	1	End	1544
Name	OJ990223_08.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	361	End	1468
GI	none	Score	147
Exons	361..447, 363..446, 1034..1144, 1037..1144, 1039..1146, 1039..1149, 1050..1160, 1198..1461, 1200..1457, 1217..1468, 1229..1468		

Seq. No.	49274	Seq. ID	OJ990223_08.0419.C2
Gene No.	104889	Strand	+
Start	1	End	1544

Name	OJ990223_08.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	397	End	1284
GI	none	Score	76
Exons	397..447, 995..1123, 1039..1122, 1198..1284, 1200..1283		

Seq. No.	49275	Seq. ID	OJ990223_08.0419.C3
Gene No.	104890	Strand	+
Start	955	End	1487
Name	OJ990223_08.0419.C3.o1.np	Method	AAT/NAP
Start	955	End	1256
GI	6539588	Score	297
Exons	955..1256		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	49275	Seq. ID	OJ990223_08.0419.C3
Gene No.	104890	Strand	+
Start	955	End	1487
Name	OJ990223_08.0419.C3.o1.gs	Method	GENSCAN
Start	1111	End	1487
GI	none	Score	.44
Exons	1111..1256, 1331..1487		

Seq. No.	49276	Seq. ID	OJ990223_08.0419.C5
Gene No.	104891	Strand	+
Start	57	End	362
Name	OJ990223_08.0419.C5.o1.gs	Method	GENSCAN
Start	57	End	362
GI	none	Score	.91
Exons	57..120, 277..362		

Seq. No.	49276	Seq. ID	OJ990223_08.0419.C5
Gene No.	104892	Strand	-
Start	893	End	1994
Name	OJ990223_08.0419.C5.o2.gs	Method	GENSCAN
Start	893	End	1994
GI	none	Score	.76
Exons	893..946, 1860..1994		

Seq. No.	49277	Seq. ID	OJ990223_08.0419.C6
Gene No.	104893	Strand	-
Start	115	End	496
Name	OJ990223_08.0419.C6.o1.gs	Method	GENSCAN
Start	115	End	496
GI	none	Score	.63
Exons	115..247, 270..496		

Seq. No.	49278	Seq. ID	OJ990223_08.0419.C7
Gene No.	104894	Strand	+
Start	363	End	489
Name	OJ990223_08.0419.C7.o1.gs	Method	GENSCAN
Start	363	End	489
GI	none	Score	.92
Exons	363..489		

Seq. No.	49279	Seq. ID	OJ990223_08.0419.C8
Gene No.	104895	Strand	+
Start	54	End	790

Name	OJ990223_08.0419.C8.o1.gs	Method	GENSCAN
Start	54	End	790
GI	none	Score	.95
Exons	54..312, 378..525, 664..790		

Seq. No.	49279	Seq. ID	OJ990223_08.0419.C8
Gene No.	104896	Strand	-
Start	1	End	859
Name	OJ990223_08.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	859
GI	7498539	Score	78
Exons	1..270, 831..859		
GI Descrip.	hypothetical protein F07C4.7 - Caenorhabditis elegans gi|1699081|gb|AAC48014.1| (U80023) F07C4.7 gene product [Caenorhabditis elegans]		

Seq. No.	49280	Seq. ID	OJ990223_08.0419.C9
Gene No.	104897	Strand	-
Start	378	End	1324
Name	OJ990223_08.0419.C9.o1.gs	Method	GENSCAN
Start	378	End	1324
GI	none	Score	.52
Exons	378..486, 710..827, 1019..1177, 1224..1324		

Seq. No.	49280	Seq. ID	OJ990223_08.0419.C9
Gene No.	104898	Strand	-
Start	2475	End	2881
Name	OJ990223_08.0419.C9.o2.gs	Method	GENSCAN
Start	2475	End	2881
GI	none	Score	.84
Exons	2475..2539, 2593..2749, 2858..2881		

Seq. No.	49281	Seq. ID	OJ990223_08.0419.C13
Gene No.	104899	Strand	-
Start	1	End	781
Name	OJ990223_08.0419.C13.o1.np	Method	AAT/NAP
Start	1	End	781
GI	7459616	Score	271
Exons	1..122, 210..781		
GI Descrip.	hypothetical protein F18B3.120 - Arabidopsis thaliana gi|4835235|emb|CAB42913.1| (AL049862) putative protein [Arabidopsis thaliana]		

Seq. No.	49281	Seq. ID	OJ990223_08.0419.C13
Gene No.	104899	Strand	-
Start	1	End	781
Name	OJ990223_08.0419.C13.o1.ts	Method	TBLASTX:Soybean
Start	4	End	682
GI	none	Score	70
Exons	4..111, 5..112, 223..507, 248..295, 392..499, 547..597, 608..682, 640..681		

Seq. No.	49281	Seq. ID	OJ990223_08.0419.C13
Gene No.	104899	Strand	-
Start	1	End	781
Name	OJ990223_08.0419.C13.o1.tw	Method	TBLASTX:Wheat
Start	265	End	613

GI	none	Score	67
Exons	265..303, 265..600, 392..613		

Seq. No.	49282	Seq. ID	OJ990223_08.0419.C15
Gene No.	104900	Strand	+
Start	1229	End	1639
Name	OJ990223_08.0419.C15.o1.gp	Method	AAT/GAP
Start	1229	End	1639
GI	none	Score	815
Exons	1229..1639		

Seq. No.	49282	Seq. ID	OJ990223_08.0419.C15
Gene No.	104901	Strand	-
Start	650	End	1642
Name	OJ990223_08.0419.C15.o1.gs	Method	GENSCAN
Start	650	End	1642
GI	none	Score	.64
Exons	650..908, 1563..1642		

Seq. No.	49283	Seq. ID	OJ990223_08.0419.C16
Gene No.	104902	Strand	-
Start	883	End	2928
Name	OJ990223_08.0419.C16.o1.gp	Method	AAT/GAP
Start	748	End	2777
GI	277_1.R1084	Score	3888
Exons	748..2777		
GI Descrip.	'126401/sp|P29250|LOX2_ORYSA 0.0e+00 LIPOXYGENASE L-2 >gi_100690_pir__S23454 lipoxygenase (EC 1.13.11.12) L-2 - rice >gi_20267_emb_CAA45738_ (X64396) lipoxygenase [Oryza sativa]'		

Seq. No.	49283	Seq. ID	OJ990223_08.0419.C16
Gene No.	104902	Strand	-
Start	883	End	2928
Name	OJ990223_08.0419.C16.o1.gs	Method	GENSCAN
Start	883	End	2777
GI	none	Score	.58
Exons	883..2777		

Seq. No.	49283	Seq. ID	OJ990223_08.0419.C16
Gene No.	104902	Strand	-
Start	883	End	2928
Name	OJ990223_08.0419.C16.o1.tc	Method	TBLASTX:Cress
Start	883	End	2742
GI	none	Score	47
Exons	883..957, 949..1719, 950..1774, 1699..1986, 1703..1933, 1949..1987, 2065..2154, 2173..2742, 2189..2473, 2600..2740, 2647..2742		

Seq. No.	49283	Seq. ID	OJ990223_08.0419.C16
Gene No.	104902	Strand	-
Start	883	End	2928
Name	OJ990223_08.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	884	End	2778
GI	none	Score	41
Exons	884..967, 955..1116, 958..1116, 1105..1248, 1118..1138, 1264..1767, 1265..1768, 1768..2040, 1769..1921, 1864..1971, 2032..2112, 2039..2107, 2119..2157, 2162..2458, 2170..2460,		

2248..2460, 2710..2778

Seq. No.	49283	Seq. ID	OJ990223_08.0419.C16
Gene No.	104902	Strand	-
Start	883	End	2928
Name	OJ990223_08.0419.C16.o1.np	Method	AAT/NAP
Start	886	End	2928
GI	126401	Score	3087
Exons	886..2795, 2833..2928		
GI Descrip.	LIPOXYGENASE L-2 gi|100690|pir||S23454 lipoxygenase (EC 1.13.11.12) L-2 - rice gi|20267|emb|CAA45738| (X64396) lipoxygenase [Oryza sativa]		

Seq. No.	49283	Seq. ID	OJ990223_08.0419.C16
Gene No.	104902	Strand	-
Start	883	End	2928
Name	OJ990223_08.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	943	End	2739
GI	none	Score	138
Exons	943..1998, 944..1183, 1259..1999, 2039..2107, 2065..2154, 2176..2271, 2276..2521, 2290..2520, 2554..2631, 2623..2739, 2641..2739		

Seq. No.	49283	Seq. ID	OJ990223_08.0419.C16
Gene No.	104902	Strand	-
Start	883	End	2928
Name	OJ990223_08.0419.C16.o3.tw	Method	TBLASTX:Wheat
Start	1231	End	1500
GI	none	Score	347
Exons	1231..1497, 1259..1498, 1444..1500		

Seq. No.	49283	Seq. ID	OJ990223_08.0419.C16
Gene No.	104902	Strand	-
Start	883	End	2928
Name	OJ990223_08.0419.C16.o2.tw	Method	TBLASTX:Wheat
Start	1684	End	2181
GI	none	Score	102
Exons	1684..1806, 1684..1998, 1685..1999, 2071..2181, 2071..2181		

Seq. No.	49283	Seq. ID	OJ990223_08.0419.C16
Gene No.	104902	Strand	-
Start	883	End	2928
Name	OJ990223_08.0419.C16.o1.tw	Method	TBLASTX:Wheat
Start	2203	End	2614
GI	none	Score	384
Exons	2203..2607, 2207..2539, 2573..2614		

Seq. No.	49283	Seq. ID	OJ990223_08.0419.C16
Gene No.	104902	Strand	-
Start	883	End	2928
Name	OJ990223_08.0419.C16.o2.tm	Method	TBLASTX:Maize
Start	2461	End	2604
GI	none	Score	89
Exons	2461..2604, 2462..2548		

Seq. No.	49284	Seq. ID	OJ990223_08.0419.C17
Gene No.	104903	Strand	+

Start	296	End	577
Name	OJ990223_08.0419.C17.o1.gs	Method	GENSCAN
Start	296	End	577
GI	none	Score	.55
Exons	296..577		

Seq. No.	49284	Seq. ID	OJ990223_08.0419.C17
Gene No.	104904	Strand	-
Start	1	End	104
Name	OJ990223_08.0419.C17.o1.gp	Method	AAT/GAP
Start	1	End	104
GI	277_1.R1084	Score	188
Exons	1..104		
GI Descrip.	'126401/sp|P29250|LOX2_ORYSA 0.0e+00 LIPOXYGENASE L-2 >gi_100690_pir__S23454 lipoxygenase (EC 1.13.11.12) L-2 - rice >gi_20267_emb_CAA45738_ (X64396) lipoxygenase [Oryza sativa]'		

Seq. No.	49285	Seq. ID	OJ990223_08.0419.C19
Gene No.	104905	Strand	+
Start	1	End	654
Name	OJ990223_08.0419.C19.o1.np	Method	AAT/NAP
Start	1	End	645
GI	7459616	Score	382
Exons	1..255, 337..514, 557..645		
GI Descrip.	hypothetical protein F18B3.120 - Arabidopsis thaliana gi|4835235|emb|CAB42913.1| (AL049862) putative protein [Arabidopsis thaliana]		

Seq. No.	49285	Seq. ID	OJ990223_08.0419.C19
Gene No.	104905	Strand	+
Start	1	End	654
Name	OJ990223_08.0419.C19.o1.gs	Method	GENSCAN
Start	96	End	654
GI	none	Score	.89
Exons	96..654		

Seq. No.	49285	Seq. ID	OJ990223_08.0419.C19
Gene No.	104906	Strand	+
Start	1712	End	1942
Name	OJ990223_08.0419.C19.o2.gs	Method	GENSCAN
Start	1712	End	1942
GI	none	Score	.65
Exons	1712..1942		

Seq. No.	49285	Seq. ID	OJ990223_08.0419.C19
Gene No.	104907	Strand	-
Start	4318	End	4379
Name	OJ990223_08.0419.C19.o1.tc	Method	TBLASTX:Cress
Start	1	End	216
GI	none	Score	240
Exons	1..216, 3..137		

Seq. No.	49285	Seq. ID	OJ990223_08.0419.C19
Gene No.	104907	Strand	-
Start	4318	End	4379
Name	OJ990223_08.0419.C19.o1.tm	Method	TBLASTX:Maize
Start	1	End	480

GI	none	Score	283
Exons	1..240, 3..203, 298..480, 366..464		
Seq. No.	49285	Seq. ID	OJ990223_08.0419.C19
Gene No.	104907	Strand	-
Start	4318	End	4379
Name	OJ990223_08.0419.C19.o1.ts	Method	TBLASTX:Soybean
Start	1	End	636
GI	none	Score	308
Exons	1..234, 3..215, 354..452, 355..480, 562..636, 567..620		
Seq. No.	49285	Seq. ID	OJ990223_08.0419.C19
Gene No.	104907	Strand	-
Start	4318	End	4379
Name	OJ990223_08.0419.C19.o3.gs	Method	GENSCAN
Start	4318	End	4379
GI	none	Score	.74
Exons	4318..4379		
Seq. No.	49286	Seq. ID	OJ990223_08.0419.C23
Gene No.	104908	Strand	+
Start	296	End	1112
Name	OJ990223_08.0419.C23.o1.np	Method	AAT/NAP
Start	296	End	1112
GI	99922	Score	417
Exons	296..557, 691..1112		
GI Descrip.	hypothetical protein - soybean gi|930025|emb|CAA31883| (X13528) ORF (334 AA) [Glycine max]		
Seq. No.	49286	Seq. ID	OJ990223_08.0419.C23
Gene No.	104908	Strand	+
Start	296	End	1112
Name	OJ990223_08.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	299	End	642
GI	none	Score	62
Exons	299..358, 372..539, 550..642		
Seq. No.	49287	Seq. ID	OJ990223_08.0419.C25
Gene No.	104909	Strand	-
Start	489	End	607
Name	OJ990223_08.0419.C25.o1.gs	Method	GENSCAN
Start	489	End	607
GI	none	Score	.93
Exons	489..607		
Seq. No.	49288	Seq. ID	OJ990223_08.0419.C26
Gene No.	104910	Strand	-
Start	154	End	594
Name	OJ990223_08.0419.C26.o1.gs	Method	GENSCAN
Start	154	End	594
GI	none	Score	.48
Exons	154..302, 480..594		
Seq. No.	49289	Seq. ID	OJ990223_08.0419.C27
Gene No.	104911	Strand	-
Start	1512	End	3178
Name	OJ990223_08.0419.C27.o2.gs	Method	GENSCAN

Start	1512	End	3178
GI	none	Score	.75
Exons	1512..1752, 1817..1927, 2934..3178		

Seq. No.	49290	Seq. ID	OJ990223_08.0419.C28
Gene No.	104912	Strand	
Start	470	End	2194
Name	OJ990223_08.0419.C28.o2.tw	Method	TBLASTX:Wheat
Start	470	End	838
GI	none	Score	74
Exons	470..838, 471..593		

Seq. No.	49290	Seq. ID	OJ990223_08.0419.C28
Gene No.	104912	Strand	
Start	470	End	2194
Name	OJ990223_08.0419.C28.o2.tm	Method	TBLASTX:Maize
Start	563	End	1063
GI	none	Score	123
Exons	563..649, 662..1033, 804..1034, 815..1063		

Seq. No.	49290	Seq. ID	OJ990223_08.0419.C28
Gene No.	104912	Strand	
Start	470	End	2194
Name	OJ990223_08.0419.C28.o4.tw	Method	TBLASTX:Wheat
Start	932	End	1402
GI	none	Score	90
Exons	932..1030, 1107..1316, 1283..1402		

Seq. No.	49290	Seq. ID	OJ990223_08.0419.C28
Gene No.	104912	Strand	
Start	470	End	2194
Name	OJ990223_08.0419.C28.o4.tm	Method	TBLASTX:Maize
Start	1083	End	1277
GI	none	Score	113
Exons	1083..1277, 1093..1266		

Seq. No.	49290	Seq. ID	OJ990223_08.0419.C28
Gene No.	104912	Strand	
Start	470	End	2194
Name	OJ990223_08.0419.C28.o1.ts	Method	TBLASTX:Soybean
Start	1104	End	1627
GI	none	Score	53
Exons	1104..1289, 1310..1435, 1311..1394, 1403..1627, 1470..1511		

Seq. No.	49290	Seq. ID	OJ990223_08.0419.C28
Gene No.	104912	Strand	
Start	470	End	2194
Name	OJ990223_08.0419.C28.o1.tm	Method	TBLASTX:Maize
Start	1283	End	2194
GI	none	Score	147
Exons	1283..1429, 1406..2194, 1572..1829, 1796..2155, 1869..2171		

Seq. No.	49290	Seq. ID	OJ990223_08.0419.C28
Gene No.	104912	Strand	
Start	470	End	2194
Name	OJ990223_08.0419.C28.o6.tw	Method	TBLASTX:Wheat
Start	1556	End	1831

GI	none	Score	55
Exons	1556..1708, 1718..1831, 1785..1829		

Seq. No.	49290	Seq. ID	OJ990223_08.0419.C28
Gene No.	104912	Strand	
Start	470	End	2194
Name	OJ990223_08.0419.C28.o3.tw	Method	TBLASTX:Wheat
Start	1832	End	2143
GI	none	Score	184
Exons	1832..2143, 1869..2108, 1870..2109		

Seq. No.	49290	Seq. ID	OJ990223_08.0419.C28
Gene No.	104913	Strand	
Start	2334	End	3105
Name	OJ990223_08.0419.C28.o3.tm	Method	TBLASTX:Maize
Start	2334	End	3105
GI	none	Score	58
Exons	2334..2432, 2335..2394, 2388..2579, 2422..2568, 2553..2864, 2620..2742, 2855..3040, 2872..3048, 3067..3105		

Seq. No.	49290	Seq. ID	OJ990223_08.0419.C28
Gene No.	104913	Strand	
Start	2334	End	3105
Name	OJ990223_08.0419.C28.o1.tw	Method	TBLASTX:Wheat
Start	2472	End	2864
GI	none	Score	127
Exons	2472..2864, 2482..2814		

Seq. No.	49290	Seq. ID	OJ990223_08.0419.C28
Gene No.	104914	Strand	
Start	3106	End	3459
Name	OJ990223_08.0419.C28.o5.tw	Method	TBLASTX:Wheat
Start	3106	End	3459
GI	none	Score	52
Exons	3106..3273, 3258..3329, 3328..3459, 3330..3455		

Seq. No.	49291	Seq. ID	OJ990223_08.0419.C29
Gene No.	104915	Strand	
Start	26	End	349
Name	OJ990223_08.0419.C29.o1.tm	Method	TBLASTX:Maize
Start	26	End	349
GI	none	Score	98
Exons	26..241, 41..241, 84..284, 311..349		

Seq. No.	49292	Seq. ID	OJ990223_08.0419.C32
Gene No.	104916	Strand	-
Start	173	End	1619
Name	OJ990223_08.0419.C32.o1.gs	Method	GENSCAN
Start	173	End	1619
GI	none	Score	.75
Exons	173..337, 1199..1231, 1481..1619		

Seq. No.	49293	Seq. ID	OJ990223_08.0419.C33
Gene No.	104917	Strand	+
Start	120	End	338
Name	OJ990223_08.0419.C33.o1.gs	Method	GENSCAN
Start	120	End	338

GI	none	Score	1
Exons	120..338		

Seq. No.	49293	Seq. ID	OJ990223_08.0419.C33
Gene No.	104918	Strand	-
Start	2622	End	3137
Name	OJ990223_08.0419.C33.o1.np	Method	AAT/NAP
Start	2622	End	3137
GI	6069646	Score	253
Exons	2622..3137		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49293	Seq. ID	OJ990223_08.0419.C33
Gene No.	104918	Strand	-
Start	2622	End	3137
Name	OJ990223_08.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	2628	End	3105
GI	none	Score	74
Exons	2628..2852, 2868..3101, 3001..3105		

Seq. No.	49294	Seq. ID	OJ990223_08.0419.C34
Gene No.	104919	Strand	-
Start	177	End	2976
Name	OJ990223_08.0419.C34.o1.tm	Method	TBLASTX:Maize
Start	3	End	662
GI	none	Score	47
Exons	3..662, 4..231, 265..417		

Seq. No.	49294	Seq. ID	OJ990223_08.0419.C34
Gene No.	104919	Strand	-
Start	177	End	2976
Name	OJ990223_08.0419.C34.o1.tw	Method	TBLASTX:Wheat
Start	33	End	335
GI	none	Score	117
Exons	33..335, 43..333		

Seq. No.	49294	Seq. ID	OJ990223_08.0419.C34
Gene No.	104919	Strand	-
Start	177	End	2976
Name	OJ990223_08.0419.C34.o1.gs	Method	GENSCAN
Start	177	End	2279
GI	none	Score	.71
Exons	177..495, 664..2279		

Seq. No.	49294	Seq. ID	OJ990223_08.0419.C34
Gene No.	104919	Strand	-
Start	177	End	2976
Name	OJ990223_08.0419.C34.o1.np	Method	AAT/NAP
Start	177	End	2976
GI	6069646	Score	566
Exons	177..996, 2573..2976		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to		

Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	49294	Seq. ID	OJ990223_08.0419.C34
Gene No.	104919	Strand	-
Start	177	End	2976
Name	OJ990223_08.0419.C34.o2.tw	Method	TBLASTX:Wheat
Start	459	End	773
GI	none	Score	194
Exons	459..773		

Seq. No.	49294	Seq. ID	OJ990223_08.0419.C34
Gene No.	104919	Strand	-
Start	177	End	2976
Name	OJ990223_08.0419.C34.o3.tm	Method	TBLASTX:Maize
Start	663	End	1007
GI	none	Score	138
Exons	663..863, 664..996, 927..1007		

Seq. No.	49294	Seq. ID	OJ990223_08.0419.C34
Gene No.	104919	Strand	-
Start	177	End	2976
Name	OJ990223_08.0419.C34.o2.tm	Method	TBLASTX:Maize
Start	1170	End	1604
GI	none	Score	167
Exons	1170..1604, 1315..1554		

Seq. No.	49294	Seq. ID	OJ990223_08.0419.C34
Gene No.	104919	Strand	-
Start	177	End	2976
Name	OJ990223_08.0419.C34.o3.tw	Method	TBLASTX:Wheat
Start	1599	End	1979
GI	none	Score	190
Exons	1599..1979		

Seq. No.	49294	Seq. ID	OJ990223_08.0419.C34
Gene No.	104919	Strand	-
Start	177	End	2976
Name	OJ990223_08.0419.C34.o4.tm	Method	TBLASTX:Maize
Start	1833	End	2066
GI	none	Score	48
Exons	1833..1922, 1839..1922, 1926..2066, 1977..2063		

Seq. No.	49295	Seq. ID	OJ990223_08.0419.C36
Gene No.	104920	Strand	+
Start	814	End	994
Name	OJ990223_08.0419.C36.o1.gs	Method	GENSCAN
Start	814	End	994
GI	none	Score	.64
Exons	814..994		

Seq. No.	49295	Seq. ID	OJ990223_08.0419.C36
Gene No.	104921	Strand	-
Start	1	End	410
Name	OJ990223_08.0419.C36.o1.gp	Method	AAT/GAP
Start	1	End	410

GI	LIB3432-059-P1-K1-D8	Score	746
Exons	1..410		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	49295	Seq. ID	OJ990223_08.0419.C36
Gene No.	104922	Strand	-
Start	1183	End	1400
Name	OJ990223_08.0419.C36.o2.gs	Method	GENSCAN
Start	1183	End	1400
GI	none	Score	.91
Exons	1183..1400		

Seq. No.	49296	Seq. ID	OJ990223_08.0419.C42
Gene No.	104923	Strand	-
Start	375	End	472
Name	OJ990223_08.0419.C42.o1.gs	Method	GENSCAN
Start	375	End	472
GI	none	Score	.58
Exons	375..472		

Seq. No.	49297	Seq. ID	OJ990223_08.0419.C43
Gene No.	104924	Strand	+
Start	436	End	958
Name	OJ990223_08.0419.C43.o1.tm	Method	TBLASTX:Maize
Start	427	End	667
GI	none	Score	251
Exons	427..666, 428..667		

Seq. No.	49297	Seq. ID	OJ990223_08.0419.C43
Gene No.	104924	Strand	+
Start	436	End	958
Name	OJ990223_08.0419.C43.o1.np	Method	AAT/NAP
Start	436	End	958
GI	6523417	Score	108
Exons	436..668, 828..958		
GI Descrip.	(AJ242017) deoxyhypusine synthase [Nicotiana tabacum]		

Seq. No.	49297	Seq. ID	OJ990223_08.0419.C43
Gene No.	104924	Strand	+
Start	436	End	958
Name	OJ990223_08.0419.C43.o1.gs	Method	GENSCAN
Start	452	End	646
GI	none	Score	.83
Exons	452..646		

Seq. No.	49298	Seq. ID	OJ990223_08.0419.C48
Gene No.	104925	Strand	-
Start	269	End	1131
Name	OJ990223_08.0419.C48.o1.gs	Method	GENSCAN
Start	269	End	1131
GI	none	Score	.77
Exons	269..442, 975..1131		

Seq. No.	49299	Seq. ID	OJ990223_08.0419.C56
Gene No.	104926	Strand	+
Start	172	End	891

Name	OJ990223_08.0419.C56.o1.gs	Method	GENSCAN
Start	172	End	891
GI	none	Score	.41
Exons	172..388, 452..581, 789..891		

Seq. No.	49299	Seq. ID	OJ990223_08.0419.C56
Gene No.	104926	Strand	+
Start	172	End	891
Name	OJ990223_08.0419.C56.o1.gp	Method	AAT/GAP
Start	452	End	557
GI	184_1.R1084	Score	164
Exons	452..557		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	49299	Seq. ID	OJ990223_08.0419.C56
Gene No.	104927	Strand	-
Start	1	End	2066
Name	OJ990223_08.0419.C56.o1.np	Method	AAT/NAP
Start	1	End	1909
GI	3915008	Score	134
Exons	1..92, 451..560, 1855..1909		
GI Descrip.	SUPEROXIDE DISMUTASE [CU-ZN], CHLOROPLAST PRECURSOR gi|7433304|pir||T03685 probable superoxide dismutase (EC 1.15.1.1) (Cu-Zn) precursor, chloroplast - rice gi|1805502|dbj|BAA12745.1| (D85239) superoxide dismutase precusor [Oryza sativa]		

Seq. No.	49299	Seq. ID	OJ990223_08.0419.C56
Gene No.	104927	Strand	-
Start	1	End	2066
Name	OJ990223_08.0419.C56.o1.tm	Method	TBLASTX:Maize
Start	451	End	561
GI	none	Score	180
Exons	451..561, 451..555, 452..556		

Seq. No.	49299	Seq. ID	OJ990223_08.0419.C56
Gene No.	104927	Strand	-
Start	1	End	2066
Name	OJ990223_08.0419.C56.o2.gs	Method	GENSCAN
Start	1666	End	2066
GI	none	Score	.78
Exons	1666..1756, 2008..2066		

Seq. No.	49300	Seq. ID	OJ990223_06.0419.C3
Gene No.	104928	Strand	-
Start	1	End	818
Name	OJ990223_06.0419.C3.o1.np	Method	AAT/NAP
Start	1	End	818
GI	6598752	Score	377
Exons	1..67, 262..439, 521..640, 711..818		
GI Descrip.	(AC007290) putative chromosome associated protein [Arabidopsis thaliana]		

Seq. No.	49300	Seq. ID	OJ990223_06.0419.C3
Gene No.	104928	Strand	-

Start	1	End	818
Name	OJ990223_06.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	254	End	445
GI	none	Score	50
Exons	254..316, 263..352, 265..444,	268..444,	395..445

Seq. No.	49300	Seq. ID	OJ990223_06.0419.C3
Gene No.	104928	Strand	-
Start	1	End	818
Name	OJ990223_06.0419.C3.o1.gs	Method	GENSCAN
Start	266	End	622
GI	none	Score	.69
Exons	266..444, 580..622		

Seq. No.	49301	Seq. ID	OJ990713_07.0419.C2
Gene No.	104929	Strand	-
Start	1	End	750
Name	OJ990713_07.0419.C2.o1.np	Method	AAT/NAP
Start	1	End	750
GI	7228457	Score	1079
Exons	1..750		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49301	Seq. ID	OJ990713_07.0419.C2
Gene No.	104929	Strand	-
Start	1	End	750
Name	OJ990713_07.0419.C2.o1.tw	Method	TBLASTX:Wheat
Start	151	End	637
GI	none	Score	147
Exons	151..636, 182..442, 464..637		

Seq. No.	49302	Seq. ID	OJ990713_07.0419.C3
Gene No.	104930	Strand	-
Start	618	End	2089
Name	OJ990713_07.0419.C3.o1.np	Method	AAT/NAP
Start	618	End	2089
GI	7228457	Score	2216
Exons	618..1457, 1524..2089		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49302	Seq. ID	OJ990713_07.0419.C3
Gene No.	104930	Strand	-
Start	618	End	2089
Name	OJ990713_07.0419.C3.o1.tw	Method	TBLASTX:Wheat
Start	644	End	1034
GI	none	Score	48
Exons	644..700, 646..831, 722..832,	820..1011,	822..1034

Seq. No.	49302	Seq. ID	OJ990713_07.0419.C3
Gene No.	104930	Strand	-
Start	618	End	2089
Name	OJ990713_07.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	676	End	1037

GI	none	Score	98
Exons	676..723, 695..811, 715..834, 728..832, 819..1037, 820..1008		

Seq. No.	49302	Seq. ID	OJ990713_07.0419.C3
Gene No.	104930	Strand	-
Start	618	End	2089
Name	OJ990713_07.0419.C3.o3.tw	Method	TBLASTX:Wheat
Start	1230	End	1542
GI	none	Score	62
Exons	1230..1490, 1366..1542		

Seq. No.	49302	Seq. ID	OJ990713_07.0419.C3
Gene No.	104930	Strand	-
Start	618	End	2089
Name	OJ990713_07.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	1290	End	1856
GI	5666795	Score	62
Exons	1290..1490, 1545..1682, 1758..1856		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	49302	Seq. ID	OJ990713_07.0419.C3
Gene No.	104930	Strand	-
Start	618	End	2089
Name	OJ990713_07.0419.C3.o2.tw	Method	TBLASTX:Wheat
Start	1545	End	1978
GI	none	Score	88
Exons	1545..1694, 1546..1683, 1560..1685, 1728..1895, 1729..1896, 1892..1978		

Seq. No.	49303	Seq. ID	OJ990713_07.0419.C5
Gene No.	104931	Strand	-
Start	886	End	4443
Name	OJ990713_07.0419.C5.o1.gp	Method	AAT/GAP
Start	810	End	1629
GI	LIB3431-033-P1-K1-E1	Score	834
Exons	810..908, 1017..1188, 1450..1629		
GI Descrip.	'3980412 1.0e-45 (AC004561) pumilio-like protein [Arabidopsis thaliana]'		

Seq. No.	49303	Seq. ID	OJ990713_07.0419.C5
Gene No.	104931	Strand	-
Start	886	End	4443
Name	OJ990713_07.0419.C5.o1.gs	Method	GENSCAN
Start	886	End	4331
GI	none	Score	.65
Exons	886..908, 1017..1188, 1450..1644, 1990..2100, 2185..2397, 3221..3328, 3492..3633, 3731..4331		

Seq. No.	49303	Seq. ID	OJ990713_07.0419.C5
Gene No.	104931	Strand	-
Start	886	End	4443
Name	OJ990713_07.0419.C5.o1.np	Method	AAT/NAP
Start	969	End	4443
GI	3980412	Score	1050
Exons	969..1188, 1450..1644, 1990..2100, 2185..2397, 3221..3328, 3492..3633, 3731..4020, 4117..4443		
GI Descrip.	(AC004561) putative pumilio/Mpt5 family RNA-binding protein		

[Arabidopsis thaliana]

Seq. No.	49303	Seq. ID	OJ990713_07.0419.C5
Gene No.	104931	Strand	-
Start	886	End	4443
Name	OJ990713_07.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	997	End	4104
GI	none	Score	77
Exons	997..1185, 1021..1197, 1051..1176, 1126..1185, 1126..1188, 1130..1189, 1131..1190, 1429..1635, 1448..1678, 1450..1647, 1990..2100, 1991..2086, 1991..2101, 2176..2397, 2177..2344, 2180..2398, 2185..2400, 2185..2322, 3212..3274, 3215..3292, 3222..3269, 3258..3332, 3264..3341, 3480..3638, 3493..3636, 3504..3653, 3504..3635, 3548..3637, 3731..4102, 3733..4104, 3733..4101		

Seq. No.	49303	Seq. ID	OJ990713_07.0419.C5
Gene No.	104931	Strand	-
Start	886	End	4443
Name	OJ990713_07.0419.C5.o2.tc	Method	TBLASTX:Cress
Start	997	End	1191
GI	none	Score	128
Exons	997..1188, 1012..1191, 1133..1189		

Seq. No.	49303	Seq. ID	OJ990713_07.0419.C5
Gene No.	104931	Strand	-
Start	886	End	4443
Name	OJ990713_07.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	1036	End	3984
GI	none	Score	201
Exons	1036..1182, 1039..1215, 1039..1197, 2173..2397, 2174..2398, 2176..2400, 2185..2394, 2185..2376, 2189..2311, 3215..3331, 3215..3274, 3222..3329, 3488..3517, 3492..3647, 3492..3647, 3493..3636, 3512..3655, 3548..3661, 3725..3826, 3733..3984		

Seq. No.	49303	Seq. ID	OJ990713_07.0419.C5
Gene No.	104931	Strand	-
Start	886	End	4443
Name	OJ990713_07.0419.C5.o1.tc	Method	TBLASTX:Cress
Start	1990	End	3647
GI	none	Score	77
Exons	1990..2100, 1994..2059, 2173..2397, 2189..2344, 3215..3292, 3215..3283, 3492..3647		

Seq. No.	49303	Seq. ID	OJ990713_07.0419.C5
Gene No.	104931	Strand	-
Start	886	End	4443
Name	OJ990713_07.0419.C5.o2.gp	Method	AAT/GAP
Start	2185	End	3327
GI	429012	Score	617
Exons	2185..2397, 3221..3327		
GI Descrip.	3980412 1.0e-45 (AC004561) pumilio-like protein [Arabidopsis thaliana]		

Seq. No.	49303	Seq. ID	OJ990713_07.0419.C5
Gene No.	104931	Strand	-
Start	886	End	4443

Name	OJ990713_07.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	4153	End	4360
GI	none	Score	129
Exons	4153..4278, 4154..4279, 4154..4279, 4278..4358, 4280..4360		

Seq. No.	49304	Seq. ID	OJ990713_07.0419.C6
Gene No.	104932	Strand	+
Start	3283	End	4717
Name	OJ990713_07.0419.C6.o2.gs	Method	GENSCAN
Start	3283	End	4717
GI	none	Score	.44
Exons	3283..3459, 3618..3751, 3897..3988, 4623..4717		

Seq. No.	49304	Seq. ID	OJ990713_07.0419.C6
Gene No.	104933	Strand	-
Start	1	End	3631
Name	OJ990713_07.0419.C6.o1.np	Method	AAT/NAP
Start	1	End	3631
GI	4104929	Score	1210
Exons	1..220, 376..514, 583..658, 990..1112, 1193..1357, 1469..1559, 1772..1856, 1944..2099, 2196..2252, 2372..2470, 3464..3631		
GI Descrip.	(AF042195) auxin response factor 7 [Arabidopsis thaliana]		

Seq. No.	49304	Seq. ID	OJ990713_07.0419.C6
Gene No.	104933	Strand	-
Start	1	End	3631
Name	OJ990713_07.0419.C6.o3.tm	Method	TBLASTX:Maize
Start	1	End	621
GI	none	Score	234
Exons	1..225, 3..221, 377..514, 378..518, 589..621		

Seq. No.	49304	Seq. ID	OJ990713_07.0419.C6
Gene No.	104933	Strand	-
Start	1	End	3631
Name	OJ990713_07.0419.C6.o1.tc	Method	TBLASTX:Cress
Start	52	End	3562
GI	none	Score	38
Exons	52..90, 78..134, 85..123, 147..221, 148..222, 368..520, 571..660, 571..660, 582..683, 984..1046, 986..1051, 1058..1111, 1059..1100, 1164..1355, 1165..1359, 1166..1360, 1468..1560, 1469..1561, 1490..1564, 1755..1856, 1771..1857, 1942..2109, 1944..2108, 2184..2261, 2197..2262, 2199..2261, 2375..2434, 2379..2435, 2441..2473, 3461..3562, 3462..3560		

Seq. No.	49304	Seq. ID	OJ990713_07.0419.C6
Gene No.	104933	Strand	-
Start	1	End	3631
Name	OJ990713_07.0419.C6.o1.gs	Method	GENSCAN
Start	170	End	2902
GI	none	Score	.62
Exons	170..220, 376..526, 619..658, 990..1112, 1193..1357, 1469..1559, 1772..1856, 1944..2099, 2897..2902		

Seq. No.	49304	Seq. ID	OJ990713_07.0419.C6
Gene No.	104933	Strand	-
Start	1	End	3631
Name	OJ990713_07.0419.C6.o2.ts	Method	TBLASTX:Soybean

Start	368	End	1297
GI	5509656	Score	103
Exons	368..520, 372..515, 372..530, 571..657, 572..658, 581..667, 984..1046, 986..1051, 1058..1114, 1059..1115, 1180..1278, 1199..1297, 1201..1269		
GI Descrip.	4103243 7.0e-51 (AF022368) BIPOSTO [Arabidopsis thaliana]		

Seq. No.	49304	Seq. ID	OJ990713_07.0419.C6
Gene No.	104933	Strand	-
Start	1	End	3631
Name	OJ990713_07.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	622	End	1977
GI	none	Score	66
Exons	622..663, 984..1148, 986..1114, 1191..1361, 1193..1360, 1468..1587, 1469..1561, 1755..1856, 1761..1856, 1771..1857, 1942..1977, 1944..1976		

Seq. No.	49304	Seq. ID	OJ990713_07.0419.C6
Gene No.	104933	Strand	-
Start	1	End	3631
Name	OJ990713_07.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	1782	End	2244
GI	none	Score	62
Exons	1782..1847, 1782..1856, 1789..1851, 1942..2109, 1944..2108, 2197..2244, 2199..2243		

Seq. No.	49304	Seq. ID	OJ990713_07.0419.C6
Gene No.	104933	Strand	-
Start	1	End	3631
Name	OJ990713_07.0419.C6.o2.tm	Method	TBLASTX:Maize
Start	1977	End	3548
GI	none	Score	121
Exons	1977..2108, 1978..2109, 1978..2109, 1979..2116, 2193..2252, 2193..2252, 2194..2283, 2194..2283, 2358..2471, 2372..2473, 2372..2473, 3461..3505, 3461..3547, 3462..3548		

Seq. No.	49305	Seq. ID	OJ990713_07.0419.C7
Gene No.	104934	Strand	+
Start	3077	End	4600
Name	OJ990713_07.0419.C7.o1.gs	Method	GENSCAN
Start	3077	End	4600
GI	none	Score	.56
Exons	3077..3143, 4269..4600		

Seq. No.	49306	Seq. ID	OJ990713_07.0419.C8
Gene No.	104935	Strand	+
Start	2231	End	5839
Name	OJ990713_07.0419.C8.o1.np	Method	AAT/NAP
Start	2231	End	5839
GI	6721547	Score	86
Exons	2231..2332, 5727..5839		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	49306	Seq. ID	OJ990713_07.0419.C8
Gene No.	104935	Strand	+
Start	2231	End	5839
Name	OJ990713_07.0419.C8.o1.gp	Method	AAT/GAP

Start	3084	End	3305
GI	none	Score	367
Exons	3084..3305		

Seq. No.	49306	Seq. ID	OJ990713_07.0419.C8
Gene No.	104936	Strand	-
Start	2164	End	3848
Name	OJ990713_07.0419.C8.o1.gs	Method	GENSCAN
Start	2164	End	3848
GI	none	Score	.57
Exons	2164..2180, 2871..3090, 3159..3848		

Seq. No.	49306	Seq. ID	OJ990713_07.0419.C8
Gene No.	104937	Strand	-
Start	4823	End	5821
Name	OJ990713_07.0419.C8.o2.gs	Method	GENSCAN
Start	4823	End	5821
GI	none	Score	1
Exons	4823..5821		

Seq. No.	49306	Seq. ID	OJ990713_07.0419.C8
Gene No.	104937	Strand	-
Start	4823	End	5821
Name	OJ990713_07.0419.C8.o2.np	Method	AAT/NAP
Start	4826	End	5818
GI	6751704	Score	550
Exons	4826..5818		
GI Descrip.	(AC018848) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49307	Seq. ID	OJ990713_07.0419.C9
Gene No.	104938	Strand	+
Start	1558	End	1845
Name	OJ990713_07.0419.C9.o1.gs	Method	GENSCAN
Start	1558	End	1845
GI	none	Score	.96
Exons	1558..1684, 1774..1845		

Seq. No.	49307	Seq. ID	OJ990713_07.0419.C9
Gene No.	104939	Strand	+
Start	2243	End	2612
Name	OJ990713_07.0419.C9.o1.gp	Method	AAT/GAP
Start	2243	End	2612
GI	60_1.R1084	Score	651
Exons	2243..2612		
GI Descrip.	'3252794/dbj|BAA29041| 0.0e+00 (AB015615) isoamylase [Oryza sativa]'		

Seq. No.	49307	Seq. ID	OJ990713_07.0419.C9
Gene No.	104940	Strand	-
Start	2354	End	2693
Name	OJ990713_07.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	2328	End	2628
GI	none	Score	152
Exons	2328..2480, 2330..2482, 2332..2481, 2482..2628, 2494..2607, 2523..2612		

Seq. No.	49307	Seq. ID	OJ990713_07.0419.C9

Gene No.	104940	Strand	-
Start	2354	End	2693
Name	OJ990713_07.0419.C9.o1.np	Method	AAT/NAP
Start	2332	End	2693
GI	3252794	Score	446
Exons	2332..2693		
GI Descrip.	(AB015615) isoamylase [Oryza sativa]		

Seq. No.	49307	Seq. ID	OJ990713_07.0419.C9
Gene No.	104940	Strand	-
Start	2354	End	2693
Name	OJ990713_07.0419.C9.o2.gs	Method	GENSCAN
Start	2354	End	2610
GI	none	Score	.47
Exons	2354..2393, 2444..2610		

Seq. No.	49308	Seq. ID	OJ990713_07.0419.C14
Gene No.	104941	Strand	+
Start	1	End	1812
Name	OJ990713_07.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	1812
GI	6815072	Score	1646
Exons	1..1812		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	49308	Seq. ID	OJ990713_07.0419.C14
Gene No.	104941	Strand	+
Start	1	End	1812
Name	OJ990713_07.0419.C14.o1.gs	Method	GENSCAN
Start	347	End	1498
GI	none	Score	.52
Exons	347..579, 854..1498		

Seq. No.	49308	Seq. ID	OJ990713_07.0419.C14
Gene No.	104941	Strand	+
Start	1	End	1812
Name	OJ990713_07.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	728	End	1096
GI	none	Score	289
Exons	728..1096, 734..826, 751..972		

Seq. No.	49308	Seq. ID	OJ990713_07.0419.C14
Gene No.	104941	Strand	+
Start	1	End	1812
Name	OJ990713_07.0419.C14.o2.tm	Method	TBLASTX:Maize
Start	1400	End	1727
GI	none	Score	58
Exons	1400..1474, 1418..1543, 1422..1544, 1422..1553, 1636..1725, 1677..1727		

Seq. No.	49308	Seq. ID	OJ990713_07.0419.C14
Gene No.	104941	Strand	+
Start	1	End	1812
Name	OJ990713_07.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	1651	End	1812
GI	none	Score	190

Exons	1651..1812, 1656..1811		
Seq. No.	49309	Seq. ID	OJ990713_07.0419.C15
Gene No.	104942	Strand	+
Start	73	End	2735
Name	OJ990713_07.0419.C15.o1.gs	Method	GENSCAN
Start	73	End	2735
GI	none	Score	.65
Exons	73..225, 334..610, 681..774, 859..992, 1069..1150, 1674..1980, 2355..2533, 2651..2735		
Seq. No.	49310	Seq. ID	OJ990713_07.0419.C16
Gene No.	104943	Strand	+
Start	130	End	355
Name	OJ990713_07.0419.C16.o1.gs	Method	GENSCAN
Start	130	End	355
GI	none	Score	.87
Exons	130..355		
Seq. No.	49310	Seq. ID	OJ990713_07.0419.C16
Gene No.	104944	Strand	
Start	1164	End	1424
Name	OJ990713_07.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	1164	End	1424
GI	none	Score	67
Exons	1164..1229, 1236..1424, 1248..1406, 1273..1419		
Seq. No.	49311	Seq. ID	OJ990713_07.0419.C17
Gene No.	104945	Strand	+
Start	61	End	396
Name	OJ990713_07.0419.C17.o1.gs	Method	GENSCAN
Start	61	End	396
GI	none	Score	.66
Exons	61..396		
Seq. No.	49311	Seq. ID	OJ990713_07.0419.C17
Gene No.	104946	Strand	+
Start	1929	End	2287
Name	OJ990713_07.0419.C17.o1.gp	Method	AAT/GAP
Start	1929	End	2287
GI	7375_1.R1084	Score	616
Exons	1929..2287		
GI Descrip.	'4049342/emb|CAA22567.1| 3.0e-14 (AL034567) adenylate translocator (brittle-1)-like protein [Arabidopsis thaliana]'		
Seq. No.	49311	Seq. ID	OJ990713_07.0419.C17
Gene No.	104947	Strand	-
Start	2061	End	2165
Name	OJ990713_07.0419.C17.o2.gs	Method	GENSCAN
Start	2061	End	2165
GI	none	Score	.99
Exons	2061..2165		
Seq. No.	49312	Seq. ID	OJ990713_07.0419.C18
Gene No.	104948	Strand	+
Start	2643	End	2743
Name	OJ990713_07.0419.C18.o1.gs	Method	GENSCAN